

Refine Search

Search Results -

Terms	Documents
702/3	561

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Thursday, September 27, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> <u>Query</u> side by side	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L48</u> 702/3	561	<u>L48</u>
<u>L47</u> L46 not @py>1996	2	<u>L47</u>
<u>L46</u> (geo-coded or geocoding or geocod\$) near (data with base or database)	76	<u>L46</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L45</u> (5445524 5684940 5669061 4809201 5550743 5533107 4675823 5506897)! [PN]	8	<u>L45</u>
<u>L44</u> ("5796634") [PN]	1	<u>L44</u>
<u>L43</u> ("5796634") [URPN]	25	<u>L43</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L42</u> 5796634.pn.	2	<u>L42</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L41</u> (5007098 4490848 3636513 5093869 4783828 4499598 4974077)! [PN]	7	<u>L41</u>
<u>L40</u> ("5265173") [PN]	1	<u>L40</u>



<u>L39</u>	("5265173")[URPN]	48	<u>L39</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L38</u>	5265173.pn.	2	<u>L38</u>
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L37</u>	("5285391")[URPN]	65	<u>L37</u>
<u>L36</u>	(4570227 4954959 4744033 4989151 4984168 4761742 4760531 5168452 4924402 5084822 4675676)! [PN]	11	<u>L36</u>
<u>L35</u>	("5285391")[PN]	1	<u>L35</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L34</u>	5285391.pn.	2	<u>L34</u>
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L33</u>	("5544052")[URPN]	10	<u>L33</u>
<u>L32</u>	(4283763 4972319 4873513 4899293)! [PN]	4	<u>L32</u>
<u>L31</u>	("5544052")[PN]	1	<u>L31</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
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	<i>DB=DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L29</u>	L20 and (anchor near4 point or anchor with point or anchor adj point or star)	1	<u>L29</u>
	<i>DB=EPAB,JPAB; PLUR=YES; OP=OR</i>		
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<u>L27</u>	L26	0	<u>L27</u>
	<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>		
<u>L26</u>	L20 and (anchor near4 point or anchor with point or anchor adj point or star)	27	<u>L26</u>
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	<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>		
<u>L24</u>	(4737983 4608460 5259023 5727057 20020004382 6169515 5926117 5966437 4924510 4313035 6021371 6035190 4341929 5470233 20020085702 20010012772 5095505 4982332 5724660 5546578 4879658 5177685 5388147 5873032 3556530 5797092 4310727 4757267 5636122 5506897 5214793 6064874 5168515 5046088 4577062 4827419 5913170 4164025 6256515 5426780 4630209 5943417 5553407 5737700 4812843 3928724 5848373 6169955 5568384 5588048 5487139 5210868 5991739 5533107 6256489 5133052 4139739 5406492 4974170 6396920 5214688 4989151 6018710 5448696 5794178 4191860 5634049 4190819 20010041562 5983161 5253288 20010044325 5136636 4178476 5835881 5646629 20010014598 5901214 5594650 20020013141 3614328 5682525 5532838 4797818 5995826 20020057784 4888699 6199045 5982868 5950161 5381338 6111539 5903228 20010012773 4839700)! [PN]	95	<u>L24</u>
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L23</u>	("5533107" "6539080" "6101496" "5878126") [PN]	4	<u>L23</u>
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<u>L22</u>	L21 and (radials or lines or centroids or points)	28	<u>L22</u>

<u>L21</u>	L20 and (anchor near4 point or anchor with point or anchor adj point or star)	28	<u>L21</u>
<u>L20</u>	(geocoded or geocod\$ or geo-coded) near3 (database or data with base)	187	<u>L20</u>
<u>L19</u>	L18 and (database or data with base)	18	<u>L19</u>
<u>L18</u>	L17 and (centroid or geocenter or geo-center)	41	<u>L18</u>
<u>L17</u>	(map near radials or map with radials or map adj radials)	1018	<u>L17</u>
<u>L16</u>	709/217	11467	<u>L16</u>
<u>L15</u>	709/207	2315	<u>L15</u>
<u>L14</u>	709.clas.	57855	<u>L14</u>
<u>L13</u>	701/208	3007	<u>L13</u>
<u>L12</u>	701/207	3416	<u>L12</u>
<u>L11</u>	701.clas.	42615	<u>L11</u>
<u>L10</u>	705/62	262	<u>L10</u>
<u>L9</u>	705/10	3863	<u>L9</u>
<u>L8</u>	705.clas.	54015	<u>L8</u>
<u>L7</u>	707.clas.	61533	<u>L7</u>
<u>L6</u>	707/104.1	9166	<u>L6</u>
<u>L5</u>	707/10	15701	<u>L5</u>
<u>L4</u>	707/7	2379	<u>L4</u>
<u>L3</u>	707/6	4590	<u>L3</u>
<u>L2</u>	707/5	5361	<u>L2</u>
<u>L1</u>	707/3	11326	<u>L1</u>

END OF SEARCH HISTORY

Freeform Search

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	US OCR Full-Text Database
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	JPO Abstracts Database
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	IBM Technical Disclosure Bulletins

Term:	<input type="text"/>		
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Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

Search History

DATE: Thursday, September 27, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name result set</u>
side by side			
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L47</u>	L46 not @py>1996	2	<u>L47</u>
<u>L46</u>	(geo-coded or geocoding or geocod\$) near (data with base or database)	76	<u>L46</u>
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<u>L44</u>	("5796634")[PN]	1	<u>L44</u>
<u>L43</u>	("5796634")[URPN]	25	<u>L43</u>
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<u>L40</u>	("5265173")[PN]	1	<u>L40</u>
<u>L39</u>	("5265173")[URPN]	48	<u>L39</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L38</u>	5265173.pn.	2	<u>L38</u>

DB=USPT; PLUR=YES; OP=OR

L37 ("5285391")[URPN] 65 L37

L36 (4570227 | 4954959 | 4744033 | 4989151 | 4984168 | 4761742 | 4760531 | 5168452 | 4924402 | 5084822 | 4675676)! [PN] 11 L36

L35 ("5285391")[PN] 1 L35

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L34 5285391.pn. 2 L34

DB=USPT; PLUR=YES; OP=OR

L33 ("5544052")[URPN] 10 L33

L32 (4283763 | 4972319 | 4873513 | 4899293)! [PN] 4 L32

L31 ("5544052")[PN] 1 L31

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L30 5544052.pn. 2 L30

DB=DWPI,TDBD; PLUR=YES; OP=OR

L29 L20 and (anchor near4 point or anchor with point or anchor adj point or star) 1 L29

DB=EPAB,JPAB; PLUR=YES; OP=OR

L28 L20 and (anchor near4 point or anchor with point or anchor adj point or star) 0 L28

L27 L26 0 L27

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L26 L20 and (anchor near4 point or anchor with point or anchor adj point or star) 27 L26

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L25 l22 and l24 1 L25

DB=PGPB,USPT; PLUR=YES; OP=OR

L24 (4737983 | 4608460 | 5259023 | 5727057 | 20020004382 | 6169515 | 5926117 | 5966437 | 4924510 | 4313035 | 6021371 | 6035190 | 4341929 | 5470233 | 20020085702 | 20010012772 | 5095505 | 4982332 | 5724660 | 5546578 | 4879658 | 5177685 | 5388147 | 5873032 | 3556530 | 5797092 | 4310727 | 4757267 | 5636122 | 5506897 | 5214793 | 6064874 | 5168515 | 5046088 | 4577062 | 4827419 | 5913170 | 4164025 | 6256515 | 5426780 | 4630209 | 5943417 | 5553407 | 5737700 | 4812843 | 3928724 | 5848373 | 6169955 | 5568384 | 5588048 | 5487139 | 5210868 | 5991739 | 5533107 | 6256489 | 5133052 | 4139739 | 5406492 | 4974170 | 6396920 | 5214688 | 4989151 | 6018710 | 5448696 | 5794178 | 4191860 | 5634049 | 4190819 | 20010041562 | 5983161 | 5253288 | 20010044325 | 5136636 | 4178476 | 5835881 | 5646629 | 20010014598 | 5901214 | 5594650 | 20020013141 | 3614328 | 5682525 | 5532838 | 4797818 | 5995826 | 20020057784 | 4888699 | 6199045 | 5982868 | 5950161 | 5381338 | 6111539 | 5903228 | 20010012773 | 4839700)! [PN] 95 L24

DB=USPT; PLUR=YES; OP=OR

L23 ("5533107" | "6539080" | "6101496" | "5878126") [PN] 4 L23

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L22 L21 and (radials or lines or centroids or points) 28 L22

L21 L20 and (anchor near4 point or anchor with point or anchor adj point or star) 28 L21

L20 (geocoded or geocod\$ or geo-coded) near3 (database or data with base) 187 L20

L19 L18 and (database or data with base) 18 L19

<u>L18</u>	L17 and (centroid or geocenter or geo-center)	41	<u>L18</u>
<u>L17</u>	(map near radials or map with radials or map adj radials)	1018	<u>L17</u>
<u>L16</u>	709/217	11467	<u>L16</u>
<u>L15</u>	709/207	2315	<u>L15</u>
<u>L14</u>	709.clas.	57855	<u>L14</u>
<u>L13</u>	701/208	3007	<u>L13</u>
<u>L12</u>	701/207	3416	<u>L12</u>
<u>L11</u>	701.clas.	42615	<u>L11</u>
<u>L10</u>	705/62	262	<u>L10</u>
<u>L9</u>	705/10	3863	<u>L9</u>
<u>L8</u>	705.clas.	54015	<u>L8</u>
<u>L7</u>	707.clas.	61533	<u>L7</u>
<u>L6</u>	707/104.1	9166	<u>L6</u>
<u>L5</u>	707/10	15701	<u>L5</u>
<u>L4</u>	707/7	2379	<u>L4</u>
<u>L3</u>	707/6	4590	<u>L3</u>
<u>L2</u>	707/5	5361	<u>L2</u>
<u>L1</u>	707/3	11326	<u>L1</u>

END OF SEARCH HISTORY

Inventor search/patents
09/439550

Set	Items	Description
S1	3	S AU=(GRASTEIT C? OR GRASTEIT, C? OR GRASTEIT(2N)CHRISTOPHER)
S2	3	IDPAT (sorted in duplicate/non-duplicate order)
S3	2	IDPAT (primary/non-duplicate records only)

; show files

[File 350] **Derwent WPIX** 1963-2007/UD=200736

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**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

[File 347] **JAPIO** Dec 1976-2006/Dec(Updated 070403)

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[File 348] **EUROPEAN PATENTS** 1978-2007/ 200723

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**File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT** 1979-2007/UB=20070607UT=20070531

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**File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

3/5/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0010839132 *Drawing available*

WPI Acc no: 2001-457134/200149

XRPX Acc No: N2001-338822

Method for creating single geo coded data layer by converting centroid related data to linen by adding or subtracting distance at preset direction from centroid derives endpoint from centroid defining line

Patent Assignee: ETAK INC (ETAK-N)

Inventor: **GRASTEIT C T**

Patent Family (2 patents, 90 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001035192	A2	20010517	WO 2000US42055	A	20001109	200149	B
AU 200129244	A	20010606	AU 200129244	A	20001109	200152	E

Priority Applications (no., kind, date): US 1999439550 A 19991112

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes

WO 2001035192	A2	EN	40	19		
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200129244	A	EN			Based on OPI patent	WO 2001035192

Alerting Abstract WO A2

NOVELTY - The method includes building a database, and loading data items having known and unknown locations into the database. It location codes each of the data items having known locations and associated each of the items having unknown locations with a line representing the unknown location.

USE - As a method for creating a single geocoded data layer by converting centroid related data to a line by adding or subtracting a distance at a predetermined direction from the centroid to derive an endpoint from the centroid defining the line.

ADVANTAGE - Provides a display that may be in the form of a radial, a radial with notches, representing additional matches, colors or other shapes, etc.

DESCRIPTION OF DRAWINGS - The drawing shows a display from a database geocoded so that unconfirmed addresses are placed on a centroid based radial encoded line in the database.

1-40 the centroid

600,610,520 and 640 the radials

Title Terms /Index Terms/Additional Words: METHOD; SINGLE; GEO; CODE; DATA; LAYER; CONVERT; CENTROID; RELATED; LINEN; ADD; SUBTRACT; DISTANCE; PRESET; DIRECTION; DERIVATIVE; DEFINE; LINE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F			Main		"Version 7"

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-C04A; T01-D02; T01-E02A; T01-F01B; T01-H07C5E; T01-J05B2; T01-J05B3; T01-J05B4P; T01-J12B

3/5/2 (Item 2 from file: 349) [Links](#)

PCT FULLTEXT

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00801683

VIRTUAL STREET ADDRESSING RADIUS
RAYON D'ADRESSAGE DE RUES VIRTUEL

Patent Applicant/Patent Assignee:

- **ETAK INC**; 1605 Adams Drive, Menlo Park, CA 94025
US; US(Residence); US(Nationality)

Legal Representative:

- **MAGEN Burt(agent)**
Fliesler, Dubb, Meyer & Lovejoy LLP, Suite 400, Four Embarcadero Center, San Francisco, CA 94111-4156;
US;

	Country	Number	Kind	Date
Patent	WO	200135192	A2-A3	20010517
Application	WO	2000US42055		20001109
Priorities	US	99439550		19991112

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

IPC	Level
G06F-017/30	Main
G01C-021/00	
G06T-011/60	

Publication Language: English

Filing Language: English

Fulltext word count: 7279

English Abstract:

A single geocoded data layer is created by converting centroid related data to a line (600, 610, 620, 630) by adding or subtracting a distance at a predetermined direction from the centroid (140) to derive an endpoint from the

centroid (140) defining the line (taking the form of a radial (610) extending from the centroid (140)). The source of the centroid (140) related data is utilized to determine the direction of the line (a first source creates a line in a first direction, a second source creates a line in a second direction, and same sources related to different centroids (140) create lines oriented in a same direction from the different centroids (140)). The single geocoded data layer allows for 1 pass searching of decoded data, and provides a display with more information than a simple match to a point or centroid (140). The radial display may take any form. Unconfirmed locations in the database may be related only to a centroid (140).

French Abstract:

La presente invention concerne une couche de donnees geocodees unique que l'on cree par conversion des donnees centroides en une ligne en ajoutant ou en soustrayant une distance dans une direction predeterminee a partir du centroide afin de deduire un point final du centroide definissant cette ligne (sous forme de rayon partant du centroide). La source des donnees centroides est utilisee pour determiner le sens de la ligne (une premiere source cree une ligne dans un premier sens, une seconde source cree une ligne dans un second sens, les meme sources relatives a differents centroides creant une ligne orientee dans le meme sens a partir des differents centroides). La couche de donnees geocodees unique permet de rechercher en une passe les donnees geocodees, et fournit un affichage comportant plus d'informations qu'une simple correspondance avec un point ou un centroide. L'affichage radial peut prendre n'importe quelle forme. Les emplacements non confirmes dans la base de donnees peuvent etre lies uniquement a un centroide, un programme d'affichage calculant automatiquement un rayon pour l'affichage en association avec le centroide. L'affichage peut etre sous forme de rayon, rayon a encoches (representant les correspondances supplementaires), couleurs, ou d'autres formes encore.

Type	Pub. Date	Kind	Text
Publication	20010517	A2	Without international search report and to be republished upon receipt of that report.
Search Rpt	20011004		Late publication of international search report
Republication	20011004	A3	With international search report.
Search Rpt	20011004		Late publication of international search report
Correction	20020801		Corrected version of Pamphlet:
Republication	20020801	A3	With international search report.

Inventor search/non-patent literature
09/439550

Set	Items	Description
S1	0	S AU=(GRASTEIT C? OR GRASTEIT, C? OR GRASTEIT(2N)CHRISTOPHER)

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[File 5] **Biosis Previews(R)** 1926-2007/Jun W1

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**File 5: BIOSIS has been enhanced with archival data. Please see HELP NEWS 5 for information.*

[File 6] **NTIS** 1964-2007/Jun W3

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[File 50] **CAB ABSTRACTS** 1972-2007/APR

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**File 50: There is no UD200701, however, the file is complete and up to date. All available data is online.*

[File 57] **Electronics & Communications Abstracts** 1966-2007/May

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[File 58] **GeoArchive** 1974-2007/May

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**File 58: Despite the gap in UDs, the file is complete and up to date.*

[File 62] **SPIN(R)** 1975-2007/May W4

(c) 2007 American Institute of Physics. All rights reserved.

[File 65] **Inside Conferences** 1993-2007/Jun 13

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[File 87] **TULSA (Petroleum Abs)** 1965-2007/May W4

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[File 89] **GeoRef** 1785-2007/Apr B1

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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/May

(c) 2007 The HW Wilson Co. All rights reserved.

[File 105] **AESIS** 1851-2001/Jul

(c) 2001 Australian Mineral Foundation Inc. All rights reserved.

**File 105: This file is closed (no updates)*

[File 143] **Biol. & Agric. Index** 1983-2007/May

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[File 144] **Pascal** 1973-2007/Jun W1

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[File 266] **FEDRIP** 2007/May
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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec
(c) 2006 The Thomson Corp. All rights reserved.

[File 474] **New York Times Abs** 1969-2007/Jun 13
(c) 2007 The New York Times. All rights reserved.

[File 475] **Wall Street Journal Abs** 1973-2007/Jun 13
(c) 2007 The New York Times. All rights reserved.

[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13
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**File 583: This file is no longer updating as of 12-13-2002.*

[File 987] **TULSA (Petroleum Abs)** 1965-2007/May W4
(c)2007 The University of Tulsa. All rights reserved.

[File 2] **INSPEC** 1898-2007/Jun W1
(c) 2007 Institution of Electrical Engineers. All rights reserved.

[File 8] **Ei Compendex(R)** 1884-2007/Jun W1
(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

[File 23] **CSA Technology Research Database** 1963-2007/May
(c) 2007 CSA. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Jun W2
(c) 2007 The Thomson Corp. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2007/May
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 63] **Transport Res(TRIS)** 1970-2007/Apr
(c) fmt only 2007 Dialog. All rights reserved.

[File 81] **MIRA - Motor Industry Research** 2001-2007/Mar
(c) 2007 MIRA Ltd. All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2007/Jun W2
(c) 2007 FIZ TECHNIK. All rights reserved.

[File 111] **TGG Natl.Newspaper Index(SM)** 1979-2007/Jun 07
(c) 2007 The Gale Group. All rights reserved.

[File 292] **GEOBASE(TM)** 1980-2007/Jun W2
(c) 2007 Elsevier B.V. All rights reserved.

[File 484] **Periodical Abs Plustext** 1986-2007/Jun W1
(c) 2007 ProQuest. All rights reserved.

[File 9] **Business & Industry(R)** Jul/1994-2007/Jun 08
(c) 2007 The Gale Group. All rights reserved.

[File 15] **ABI/Inform(R)** 1971-2007/Jun 13
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 16] **Gale Group PROMT(R)** 1990-2007/Jun 11
(c) 2007 The Gale Group. All rights reserved.

[File 98] **General Sci Abs** 1984-2007/Jun
(c) 2007 The HW Wilson Co. All rights reserved.

[File 148] **Gale Group Trade & Industry DB** 1976-2007/Jun 11
(c) 2007 The Gale Group. All rights reserved.

[File 160] **Gale Group PROMT(R)** 1972-1989
(c) 1999 The Gale Group. All rights reserved.

[File 624] **McGraw-Hill Publications** 1985-2007/Jun 06
(c) 2007 McGraw-Hill Co. Inc. All rights reserved.

**File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 553] **Wilson Bus. Abs.** 1982-2007/Jun
(c) 2007 The HW Wilson Co. All rights reserved.

[File 621] **Gale Group New Prod. Annou.(R)** 1985-2007/Jun 11
(c) 2007 The Gale Group. All rights reserved.

[File 635] **Business Dateline(R)** 1985-2007/Jun 13
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 20] **Dialog Global Reporter** 1997-2007/Jun 13
(c) 2007 Dialog. All rights reserved.

[File 610] **Business Wire** 1999-2007/Jun 13
(c) 2007 Business Wire. All rights reserved.

**File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 810] **Business Wire** 1986-1999/Feb 28
(c) 1999 Business Wire. All rights reserved.

[File 613] **PR Newswire** 1999-2007/Jun 13
(c) 2007 PR Newswire Association Inc. All rights reserved.

**File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 813] **PR Newswire** 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc. All rights reserved.

[File 634] **San Jose Mercury** Jun 1985-2007/Jun 12

(c) 2007 San Jose Mercury News. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Jun 11

(c) 2007 The Gale Group. All rights reserved.

[File 256] **TecInfoSource** 82-2007/Oct

(c) 2007 Info.Sources Inc. All rights reserved.

Subject Search: Patents bibliographic
09/439550

Set	Items	Description
S1	2979187	S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?)(2N)(CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)
S2	15683	S S1 (3N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)() (BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANI?ED()COLLECTION? ? OR RELATED OR INTERRELATED)(2N)(FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT)(2N)STORAGE OR KNOWLEDGEBASE? ?)
S3	327688	S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?)()LOCAT??? OR GLONASS OR POSITION() (DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN GEORGRAPHICAL()INFORMATION()SYSTEM
S4	1567934	S CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?
S5	2031301	S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERI?ATION? ? OR DATA
S6	72156	S (VIRTUAL OR AUTOMAT?? OR COMPUTERI?ED OR INTELLIGENT)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)
S7	72803	S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?)(2N)(RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)
S8	216000	S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?)(3N)(INPUT? OR (IN()PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)
S9	156235	S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOS? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?)(3N)(MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S10	131326	S S4 AND S5
S11	1073	S S2 AND S10
S12	188	S S11 AND S3
S13	19	S S12 AND S6
S14	5160	S S8 AND S9
S15	3	S S13 AND S14
S16	3	IDPAT (sorted in duplicate/non-duplicate order)
S17	3	IDPAT (primary/non-duplicate records only)
S18	86	S S12(S)S9
S19	4	S S18 AND IC=(A61B-005/00 OR G06F-019/00)
S20	4	S S19 NOT S17
S21	4	IDPAT (sorted in duplicate/non-duplicate order)
S22	4	IDPAT (primary/non-duplicate records only)
S23	18689	S S1(S)S10
S24	977	S S23(S)S3
S25	768	S S24 AND (MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S26	755	S S24(S) (MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S27	22	S S26 AND IC=(A61B-005/00 OR G06F-019/00)
S28	8	S S27 NOT AD=19991109:20070612
S29	8	IDPAT (sorted in duplicate/non-duplicate order)
S30	6	IDPAT (primary/non-duplicate records only)

; show files

[File 350] **Derwent WPIX** 1963-2007/UD=200736

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**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

[File 347] **JAPIO** Dec 1976-2006/Dec(Updated 070403)

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17/5/1 (Item 1 from file: 350) Links

Derwent WPIX

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0014690279 *Drawing available*

WPI Acc no: 2005-037867/200504

XPX Acc No: N2005-033135

Transportation decision support system for processing transportation, includes tracking application which correlates vehicle location information and bill of lading information, and organizes correlated information into data layers

Patent Assignee: ALLRED P W (ALLR-I); GANNETT FLEMING INC (GANN-N); POLLACK J (POLL-I); SCAER R M (SCAE-I)

Inventor: ALLRED P W; POLLACK J; SCAER R M

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040243299	A1	20041202	US 2003445282	P	20030205	200504	B
			US 2004772517	A	20040205		
US 6871137	B2	20050322	US 2004772517	A	20040205	200521	E

Priority Applications (no., kind, date): US 2003445282 P 20030205; US 2004772517 A 20040205

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20040243299	A1	EN	32	21	Related to Provisional	US 2003445282

Alerting Abstract US A1

NOVELTY - The support system (10) includes a tracking application which correlates vehicle location information and bill of lading information, and organizes the correlated information into **data** layers. The tracking application displays the **data** layers as a base map with layers selectable and adjustable by a user to alter the displayed base map.

DESCRIPTION - A client user interface (12) is configured to **display** the base **maps** and **data** layers, and to permit a user to select and adjust the displayed base maps and **data** layers. An INDEPENDENT CLAIM is also included for a method of providing transportation and tracking **information** to a **user**.

USE - Use for requesting, processing, and displaying transportation information and tracking information concerning surface transport of goods and personnel.

ADVANTAGE - Provides a simple to use Internet-based interface that allows a user to request and receive a wide variety of transportation and logistics information in an easy to view **map-like display**, select different **data** layers to alter the displayed map, save, export and to print the altered maps. Allows users to query **generated map displays** to add or delete **data** layers, and to focus on the display, both graphically and in tables and text, particular **data** gathered in response to the initial and subsequent request.

DESCRIPTION OF DRAWINGS - The figure shows the schematic diagram of the transportation decision support system.

10 Support system
12 Client user interface
20 Servers
30 **Data** source
40 **Central** database server

Title Terms /Index Terms/Additional Words: TRANSPORT; DECIDE; SUPPORT; SYSTEM; PROCESS; TRACK; APPLY; CORRELATE; VEHICLE; LOCATE; INFORMATION; BILL; LADEN; ORGANISE; **DATA**; LAYER

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G01C-021/00; G01C-021/26			Main		"Version 7"
G06F-013/00			Secondary		"Version 7"

US Classification, Issued: 701200000, 701200000, 700216000, 709219000

File Segment: EPI;

DWPI Class: S02; S03; T01; T07; X23

Manual Codes (EPI/S-X): S02-B01A; S02-K08A; S03-D05; T01-J05A2D; T01-S03; T07-A01A; T07-G; T07-H; X23-B02; X23-B05C

17/5/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0012505297 *Drawing available*

WPI Acc no: 2002-453179/200248

XRPX Acc No: N2002-357308

Automatic mobile object locator e.g. for police car, ambulance, fire truck, transmits positional information of mobile object along with corresponding map data to user, in response to request from user

Patent Assignee: GREY ISLAND SYSTEMS INC (GREY-N)

Inventor: MOORE I A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6377210	B1	20020423	US 2000513600	A	20000225	200248	B

Priority Applications (no., kind, date): US 2000513600 A 20000225

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6377210	B1	EN	20	18	

Alerting Abstract US B1

NOVELTY - A **data center** (20) stores the **position information** of several mobile objects in a user specific mobile object location database. The datacenter acquires positional information of a mobile object and the corresponding **map data** from respective **databases** and **transmits** it to an **user** terminal (24), in response to a request received from the user terminal through a network (16).

DESCRIPTION - An INDEPENDENT CLAIM is included for mobile object locating method.

USE - For locating mobile objects e.g. police car, ambulance, fire truck, delivery truck, bus, etc., from a **central** location utilizing **global positioning** signals.

ADVANTAGE - As positional information of each vehicle is updated in a database, a target vehicle can be tracked easily and effectively. Enables providing history of a particular vehicle's path of movement and speed.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of an **automatic mobile object** locator.

16 Network

20 **Data center**

24 User terminal

Title Terms /Index Terms/Additional Words: AUTOMATIC; MOBILE; OBJECT; LOCATE; POLICE; CAR; AMBULANCE; FIRE; TRUCK; TRANSMIT; POSITION; INFORMATION; CORRESPOND; MAP; **DATA**; USER; RESPOND; REQUEST.

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G01S-005/02			Main		"Version 7"
H04B-007/185			Secondary		"Version 7"

US Classification, Issued: 342357130, 342357100, 342357090, 701208000

File Segment: EPI;

DWPI Class: T01; T05; W02; W06

Manual Codes (EPI/S-X): T01-C03C; T01-J05B3; T05-G01; T05-G02B1A; W02-G05B; W06-A04B5E

17/5/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0009039104 *Drawing available*

WPI Acc no: 1998-596992/199851

XRPX Acc No: N1998-464599

Automatic ship position and course logger - has logger comprising positioning system, system for communication between positioning and data processing system interfaced with graphic display monitor video

Patent Assignee: GOMARIZ L R (GOMA-I); ROJAS GOMARIZ L (GOMA-I)

Inventor: *ROJAS *GOMARIZ L; GOMARIZ L R; ROJAS G L; ROJAS GOMARIZ L

Patent Family (7 patents, 29 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 880030	A2	19981125	EP 1998500116	A	19980508	199851	B
NO 199802188	A	19981116	NO 19982188	A	19980513	199904	E
ES 2124191	A1	19990116	ES 19971033	A	19970514	199909	E
CA 2237482	A	19981114	CA 2237482	A	19980513	199917	E
JP 11044552	A	19990216	JP 1998146685	A	19980513	199917	E
ES 2124191	B1	19990816	ES 19971033	A	19970514	199939	E
US 20010018633	A1	20010830	US 199878023	A	19980513	200151	E

Priority Applications (no., kind, date): ES 19971033 A 19970514

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 880030	A2	EN	4	1	
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
CA 2237482	A	EN			
JP 11044552	A	JA	4		

Alerting Abstract EP A2

The system is of the type comprising a positioning system (1), a system for communications (3) between the positioning system (1) and the **data** processing system, a **data** processing system (3), a graphic display video monitor (4), a graphics printer (5), and a user keyboard (6). The digital **maps** employed as **databases** for the processing system include not only information regarding the coastlines, but also the boundaries of the territorial waters, such that, by using a specially designed program, precise indications are provided in each position (defined by **longitude** and **latitude**) of the shortest distances to the coastlines and to the above-mentioned boundary lines of territorial waters.

The information processed by the **data** processing system (3) is mapped out on the printer (5) and is logged in the non-volatile **data** storage memory of the **central** processing unit (3), in conjunction with the listing of position (**longitude** and **latitude**), date and time. All of the component parts of the logger (positioning system, connections, interface, computer) are sealable in order to guarantee the tamper-proofness of the information automatically collected.

USE - In automatic real-time logging of ship courses and of ship's position and its distance from shore lines and boundaries of territorial waters.

ADVANTAGE - All of the specially-designed programs employed for the functioning (decoding and logging, data processing, display and printing) are duly quality-approved in order to guarantee the effectiveness and accuracy.

Title Terms /Index Terms/Additional Words: AUTOMATIC; SHIP; POSITION; COURSE; LOG; COMPRISE; SYSTEM; COMMUNICATE; **DATA**; PROCESS; INTERFACE; GRAPHIC; DISPLAY; MONITOR; VIDEO

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G01C-021/20; G01C-021/26; G01S-005/00; G01S-005/14; G08G-003/00			Main		"Version 7"
G01S-005/02; G09B-029/10			Secondary		"Version 7"

US Classification, Issued: 701200000, 342351000

File Segment: EngPI; EPI;

DWPI Class: S02; T01; W06; P85

Manual Codes (EPI/S-X): S02-B08; T01-J06B1; W06-A03

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22/5/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0015419582 *Drawing available*

WPI Acc no: 2005-766163/200578

XRAM Acc no: C2005-234485

XRPX Acc No: N2005-632397

Genome information display system comprises server, which manages kinds of map screen data, each including position data of individual components constituting genome, and terminals, which are connected to server via network

Patent Assignee: NITTETSU HITACHI SYSTEM ENG KK (NITT-N); NITTETSU HITACHI SYSTEMS ENG INC (NITT-N)

Inventor: AKEO M; AKIZUKI K; OHTANI T; SASAKI J

Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050240358	A1	20051027	US 2005110890	A	20050421	200578	B
JP 2005316597	A	20051110	JP 2004131668	A	20040427	200578	E

Priority Applications (no., kind, date): JP 2004131668 A 20040427

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20050240358	A1	EN	34	17	
JP 2005316597	A	JA	33		

Alerting Abstract US A1

NOVELTY - A genome information display system comprising a server (10), which manages kinds of map screen data, each including the position data of individual components constituting a genome, and terminals (60), which are connected to the server via a network, such that a map screen for the graphical representation of each component is displayed on a display mechanism of each terminal, is new.

DESCRIPTION - A genome information display system comprises:

- A. a server, which manages kinds of map screen data, each including the position data of individual components constituting a genome, and
- B. terminals, which are connected to the server via a network, such that a map screen for the graphical representation of each component is displayed on a display mechanism of each terminal.

An INDEPENDENT CLAIM is also included for a computer-readable recording medium on which is recorded, a program for enabling a computer to execute the functions of a genome information display system.

USE - The system is for reviewing genome information (claimed).

ADVANTAGE - The genome information display system allows the user to quickly conduct operations, such as movement of display content on the screen presenting information of a gene of a genome. The terminal, instead of making a renewed access to the server for **data** communication, quickly prepares an enlarged **map** presenting the **display** extension according to the **operation**, based on the mass of **map** screen **data stored** in the memory mechanism, **and displays the enlarged map** at a high speed **matched** with the **user's** operation.

DESCRIPTION OF DRAWINGS - The figure is a constitution diagram for showing the outline of a genome information display system.

10 Server

60 Terminal

Title Terms /Index Terms/Additional Words: GENOME; INFORMATION; DISPLAY; SYSTEM; COMPRISE; SERVE; MANAGE; KIND; MAP; SCREEN; DATA; POSITION; INDIVIDUAL; COMPONENT; CONSTITUTE; TERMINAL; CONNECT; NETWORK

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/30; G06F-019/00			Main		"Version 7"
G01N-033/48; G01N-033/50			Secondary		"Version 7"

US Classification, Issued: 702020000

File Segment: CPI; EPI

DWPI Class: B04; T01

Manual Codes (EPI/S-X): T01-C07D; T01-J13

Manual Codes (CPI/A-N): B11-C11

22/5/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0015212851 *Drawing available*

WPI Acc no: 2005-562876/200557

XRAM Acc no: C2005-169882

XRPX Acc No: N2005-461494

Calculating apparatus for calculating and displaying three-dimensional seismic classification features, comprises designation mechanism, reference mechanism, geo-operator, association mechanism, and determination mechanism

Patent Assignee: CHROMA ENERGY INC (CHRO-N)

Inventor: DEAN W K

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050171700	A1	20050804	US 2004769681	A	20040130	200557	B

Priority Applications (no., kind, date): US 2004769681 A 20040130

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20050171700	A1	EN	43	24	

Alerting Abstract US A1

NOVELTY - A calculating apparatus has a designation mechanism for designating a path in three-dimensional volume; a reference mechanism for selecting a reference starting and ending position; a geo-operator calculated from voxel data of the volume; an association mechanism; and a determination mechanism.

DESCRIPTION - An apparatus for calculating and displaying a three-dimensional (3D) seismic classification features comprises a designation mechanism for designating a path in a 3D volume; a reference mechanism for selecting a reference starting and ending position; a geo-operator calculated from the voxel data of the 3D volume, the geo-operator capable of having variable cross-line, inline and vertical extent and having an orientation direction such that it can be maintained tangent to the path, as it traverses from the start point to the endpoint of the path; an association mechanism for associating horizontal (2D), vertical (2D) and arbitrary (3D) feature vectors with the

geo-operator output; and a determination mechanism for determining where the geo-operator has data for the calculation to form a valid output. The output of the geo-operator indicates a measure to which alternative prototypical feature tensors may be present along the path.

INDEPENDENT CLAIMS are also included for the following:

USE - Used for calculating and displaying three-dimensional seismic classification features (claimed).

ADVANTAGE - The apparatus can calculate a quantitative output indication of the condition of 3D-classification features in geoscience **data**, provides for effective flattening of seismic-type **data** in a very computationally economic method, has the ability to provide tensor outputs, and can be used to provide unique method of quantitatively combining seismic and non-seismic **data** to condition classification decision boundaries and thus accomplished **data** fusion.

DESCRIPTION OF DRAWINGS - The figure depicts classification of each point of the path as a selection of the best representative eigenvector of the decision space.

13 Label

Title Terms /Index Terms/Additional Words: CALCULATE; APPARATUS; DISPLAY; THREE; DIMENSION; SEISMIC; CLASSIFY; FEATURE; COMPRISE; DESIGNATED; MECHANISM; REFERENCE; GEO; OPERATE; ASSOCIATE; DETERMINE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-019/00			Main		"Version 7"

US Classification, Issued: 702016000

File Segment: CPI; EPI

DWPI Class: H01; T01

Manual Codes (EPI/S-X): T01-J07A; T01-J10C1; T01-J10C4; T01-S03

Manual Codes (CPI/A-N): H01-A01

22/5/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0013023897 *Drawing available*

WPI Acc no: 2003-102553/200309

Related WPI Acc No: 2003-901688; 2004-303387

XRPX Acc No: N2003-081913

Real time information collection management system for online emergency services, converts received location based information into event messages and GIS data to derive map using reference database
Patent Assignee: ALEXANDER J F (ALEX-I); LAMBERT J D (LAMB-I); MERCKEL G (MERC-I); UNIV NORTH FLORIDA (UYNF-N)

Inventor: ALEXANDER J F; LAMBERT J D; MERCKEL G

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020143469	A1	20021003	US 2001822931	A	20010330	200309	B
US 6574561	B2	20030603	US 2001822931	A	20010330	200339	E

Priority Applications (no., kind, date): US 2001822931 A 20010330

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20020143469	A1	EN	26	7	

Alerting Abstract US A1

NOVELTY - A GPS receiver (12) collects various location based information and accordingly suitable space-time coordinates are assigned. The collected information is forwarded to a center (16) through a satellite radio network (18) for obtaining event messages and associated geographic information system (GIS) data. A reference database is accessed to **generate** an event summary **map** by combining the messages with previous base map.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Resources distribution management system; and
2. Field based information distribution method.

USE - For real time emergency information collection management utilized in online emergency services related to natural/artificial disasters.

ADVANTAGE - Ensures effective allocation of resources due to field oriented assessment data. Enables analyzing the scope and magnitude of disaster in a timely manner due to real time and accurate collection of information.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of emergency management system.

12 GPS receiver

16 Center

18 Satellite radio network

Title Terms /Index Terms/Additional Words: REAL; TIME; INFORMATION; COLLECT; MANAGEMENT ; SYSTEM; EMERGENCY; SERVICE; CONVERT; RECEIVE; LOCATE; BASED; EVENT; MESSAGE; DATA; DERIVATIVE; MAP; REFERENCE; DATABASE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-019/00			Main		"Version 7"

US Classification, Issued: 702002000, 702005000, 711100000

File Segment: EPI;
DWPI Class: T01; W01; W02; W05; W06
Manual Codes (EPI/S-X): T01-C03C; T01-N01D; W01-A06B5B; W01-A06C4X; W02-C03D1; W02-C03X;
W05-B08; W06-A03A5C

22/5/4 (Item 4 from file: 350) [Links](#)

Derwent WPIX

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0010129425 *Drawing available*

WPI Acc no: 2000-437527/200038

Related WPI Acc No: 2000-164069; 2000-185653; 2002-685719

XRPX Acc No: N2000-327430

Navigation apparatus for vehicles, has transmitter for transmitting route data and guide data obtained by route planning unit and guide data acquisition unit respectively to moving side

Patent Assignee: EQUOS RES KK (EQUO-N)

Inventor: GORAI N; ITO Y; KITANO S; SUGAWARA T; USHIKI N

Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2000155896	A	20000606	JP 1998330406	A	19981120	200038	B
US 6314369	B1	20011106	US 1999345479	A	19990701	200170	E

Priority Applications (no., kind, date): JP 1998192807 A 19980708; JP 1998187335 A 19980702; JP 1998330406 A 19981120

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2000155896	A	JA	12	12	

Alerting Abstract JP A

NOVELTY - A route planning unit searches the route data using the data stored in memory (103). A guide data acquisition unit acquires the guide data based on the result of comparator which compares the route data searched by route planning unit with that of data which is already transmitted. A transmitter transmits the acquired route data and guide data to moving side.

DESCRIPTION - An INDEPENDENT CLAIM is also included for navigation procedure.

USE - For moving body such as vehicles.

ADVANTAGE - By transmitting only the required data without overlapping, the amount of data transmitted to moving side is reduced, thus shortening the communication time.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of navigation apparatus.

103 Memory

Title Terms /Index Terms/Additional Words: NAVIGATION; APPARATUS; VEHICLE; TRANSMIT; ROUTE;

DATA; GUIDE; OBTAIN; PLAN; UNIT; ACQUIRE; RESPECTIVE; MOVE; SIDE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G01C-021/00; G08G-001/137			Main		"Version 7"
G01S-013/00; G06F-017/00; G06F-019/00 ; G06F-007/00; G09B-029/00			Secondary		"Version 7"

US Classification, Issued: 701209000, 701200000, 701201000, 701207000, 701208000, 701210000, 340990000, 340993000, 340995000, 340998000, 455032100, 370215000, 370252000, 370401000, 370480000

File Segment: EngPI; EPI;

DWPI Class: S02; T07; W01; P85

Manual Codes (EPI/S-X): S02-B08; T07-A05

30/5/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0009263337 *Drawing available*

WPI Acc no: 1999-191738/199917

XRPX Acc No: N1999-140348

Map data selection assistance unit e.g. for vehicle navigation system

Patent Assignee: TOYOTA JIDOSHA KK (TOYT)

Inventor: NINAGAWA Y

Patent Family (3 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 19837618	A1	19990311	DE 19837618	A	19980819	199917	B
JP 11065436	A	19990305	JP 1997225190	A	19970821	199920	E
US 6075467	A	20000613	US 1998134431	A	19980814	200035	E

Priority Applications (no., kind, date): JP 1997225190 A 19970821

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 19837618	A1	DE	31	20	
JP 11065436	A	JA	21		

Alerting Abstract DE A1

NOVELTY - The unit includes a map data memory, a location specifier, a region specifier, and a map scale specifier. A selector chooses a map from the data memory which covers the specified scale, place and region.

DESCRIPTION - INDEPENDENT CLAIMS are also included for a **map data** processing system, and a **map data** processing apparatus.

USE - E.g. for vehicle information and communication system (VICS) or intelligent transport system (ITS).

ADVANTAGE - Allows easy finding any **map**, without having to look through large volume of **maps** or specify exact names.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a **map data** processing system.

1 terminal unit in vehicle

3 control unit

5 storage unit

15 display

19 GPS unit

20 information **central** station

Title Terms /Index Terms/Additional Words: MAP; DATA; SELECT; ASSIST; UNIT; VEHICLE; NAVIGATION; SYSTEM

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G08G-001/123; G09B-029/10			Main		"Version 7"
G01C-021/00; G06F-019/00 ; G08G-001/0969			Secondary		"Version 7"

US Classification, Issued: 340995000, 340990000, 701212000, 701213000, 702150000, 707200000, 395161000, 395617000, 345146000

File Segment: EngPI; EPI;

DWPI Class: S02; T01; T07; W06; X22; P85

Manual Codes (EPI/S-X): S02-B08A; T01-J06B1; T07-A05C; T07-G; W06-A03A5; X22-E06D

30/5/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0008701080 *Drawing available*

WPI Acc no: 1998-241032/199821

Related WPI Acc No: 2001-624832

XPX Acc No: N1998-190645

Map-based navigation system - displays map images stored in unique format to provide images centred on

any latitude or longitude supplied to processor

Patent Assignee: AMES MAPS LLC (AMES-N)

Inventor: CURTRIGHT W A; CURTWRIGHT W A; PARKS E E

Patent Family (7 patents, 77 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1998015912	A1	19980416	WO 1997US19017	A	19971010	199821	B
AU 199852389	A	19980505	AU 199852389	A	19971010	199836	E
US 5884219	A	19990316	US 1996728617	A	19961010	199918	E
EP 944872	A1	19990929	EP 1997947268	A	19971010	199945	E
			WO 1997US19017	A	19971010		
AU 728762	B	20010118	AU 199852389	A	19971010	200109	E
US 6199015	B1	20010306	US 1996728617	A	19961010	200115	E
			US 1997943838	A	19971003		
JP 2001525053	W	20011204	WO 1997US19017	A	19971010	200203	E
			JP 1998517815	A	19971010		

Priority Applications (no., kind, date): US 1996728617 A 19961010; US 1997943838 A 19971003

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1998015912	A1	EN	26	11		
National Designated States,Original	AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Regional Designated States,Original	AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 199852389	A	EN			Based on OPI patent	WO 1998015912
EP 944872	A1	EN			PCT Application	WO 1997US19017
					Based on OPI patent	WO 1998015912
Regional Designated States,Original	AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
AU 728762	B	EN			Previously issued patent	AU 9852389
					Based on OPI patent	WO 1998015912
US 6199015	B1	EN			C-I-P of application	US 1996728617
					C-I-P of patent	US 5884219
JP 2001525053	W	JA	26		PCT Application	WO 1997US19017
					Based on OPI patent	WO 1998015912

Alerting Abstract WO A1

The navigation system includes a processor (20) with bit-mapped earth surface **map** image **data** stored in memory (28), and displays an image essentially filling a display area of a screen and **centred** on any **latitude** and **longitude** supplied to the processor (20). The image has no discontinuities.

The processor (20) may receive **latitude** or **longitude** inputs from a user via an input device (22) or from a **global positioning system (GPS)** receiver (26) incorporated into the navigation system. The displayed **map data** may therefore be **centred** on a desired **longitude** and **latitude** or on the **longitude** or **latitude** of the system itself.

USE - Displaying **map**-based information e.g. relating to facilities in vicinity of location selected by relative to stored **map** information, weather conditions etc.

Title Terms /Index Terms/Additional Words: **MAP**; **BASED**; **NAVIGATION**; **SYSTEM**; **DISPLAY**; **IMAGE**; **STORAGE**; **UNIQUE**; **FORMAT**; **CENTRE**; **LATITUDE**; **LONGITUDE**; **SUPPLY**; **PROCESSOR**

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G01C-021/00; G06F-165/00; G06F-017/00; G06F-019/00			Main		"Version 7"
G08G-005/00			Secondary		"Version 7"

US Classification, Issued: 701213000, 701208000, 340990000, 340995000, 701213000, 701208000, 340990000 , 340995000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J06B1

30/5/3 (Item 3 from file: 350) [Links](#)

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0008691514 *Drawing available*

WPI Acc no: 1998-230915/199820

Related WPI Acc No: 2000-542631

XRPX Acc No: N1998-182769

Optimisation system for operating independent soil irrigation systems - uses actual soil condition information and actual weather condition information to determine need for irrigation system operation

Patent Assignee: HERGERT C D (HERG-I)

Inventor: HERGERT C D

Patent Family (3 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1998013780	A1	19980402	WO 1997US16492	A	19970917	199820	B
US 5740038	A	19980414	US 1996721226	A	19960926	199822	E
AU 199744212	A	19980417	AU 199744212	A	19970917	199834	E

Priority Applications (no., kind, date): US 1996721226 A 19960926

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1998013780	A1	EN	20	2		
National Designated States,Original	AU CA RU					
Regional Designated States,Original	AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
US 5740038	A	EN	8	2		
AU 199744212	A	EN			Based on OPI patent	WO 1998013780

Alerting Abstract WO A1

The system (22) for optimising irrigation system operation includes a global positioning satellite receiver (26) coupled to a computer (16), a geographical information satellite transmission receiver (24) coupled to the computer (16), and a number of irrigation pivot controllers (20) remotely coupled to the computer (16). A grid power monitor (28) is also coupled to the computer for providing power grid demand and usage data to the computer (16).

The computer generates priorities of operation for the irrigation systems based on the soil condition information and most economical load operating periods from the electrical power utility (28).

USE - Optimising control of central pivot and travelling irrigation pumps and spray header drive systems in soil irrigation systems.

ADVANTAGE - Prioritises irrigation needs of particular pivot systems in accordance with actual soil and weather conditions.

US Classification, Issued: 364420000

File Segment: EPI;

DWPI Class: T01; X25

Manual Codes (EPI/S-X): T01-J07; X25-N01B

30/5/4 (Item 4 from file: 350) [Links](#)

Derwent WPIX

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0007256891 *Drawing available*

WPI Acc no: 1995-311400/199540

XRFX Acc No: N1995-235161

Golf course guiding and managing system - divides respective holes and greens into cells of very small area and detects position of guiding device

Patent Assignee: HYUGA M (HYUG-I)

Inventor: HYUGA M

Patent Family (9 patents, 45 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
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WO 1995023012	A1	19950831	WO 1994JP288	A	19940224	199540	B
AU 199461152	A	19950911	AU 199461152	A	19940224	199550	E
			WO 1994JP288	A	19940224		
EP 710494	A1	19960508	EP 1994907672	A	19940224	199623	E
			WO 1994JP288	A	19940224		
JP 07504458	X	19960326	WO 1994JP288	A	19940224	199644	E
			JP 1995504458	A	19940224		
AU 684492	B	19971218	AU 199461152	A	19940224	199808	NCE
US 5797809	A	19980825	WO 1994JP288	A	19940224	199841	E
			US 1995454286	A	19950616		
EP 710494	B1	20011121	EP 1994907672	A	19940224	200176	E
			WO 1994JP288	A	19940224		
DE 69429175	E	20020103	DE 69429175	A	19940224	200210	E
			EP 1994907672	A	19940224		
			WO 1994JP288	A	19940224		
CA 2161123	C	20040817	CA 2161123	A	19940224	200455	E
			WO 1994JP288	A	19940224		

Priority Applications (no., kind, date): AU 199461152 A 19940224; WO 1994JP288 A 19940224

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1995023012	A1	JA	72	23		
National Designated States,Original	AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US UZ VN					
Regional Designated States,Original	AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE					
AU 199461152	A	EN			PCT Application	WO 1994JP288
					Based on OPI patent	WO 1995023012
EP 710494	A1	EN	39	23	PCT Application	WO 1994JP288
					Based on OPI patent	WO 1995023012
Regional Designated States,Original	DE FR GB					
JP 07504458	X	JA		0	PCT Application	WO 1994JP288
					Based on OPI patent	WO 1995023012
AU 684492	B	EN			Previously issued patent	AU 9461152
					Based on OPI patent	WO 1995023012
US 5797809	A	EN			PCT Application	WO 1994JP288
					Based on OPI patent	WO 1995023012
EP 710494	B1	EN			PCT Application	WO 1994JP288
					Based on OPI patent	WO 1995023012

Regional Designated States,Original	DE FR GB					
DE 69429175	E	DE			Application	EP 1994907672
					PCT Application	WO 1994JP288
					Based on OPI patent	EP 710494
					Based on OPI patent	WO 1995023012
CA 2161123	C	EN			PCT Application	WO 1994JP288
					Based on OPI patent	WO 1995023012

Alerting Abstract WO A1

In the respective holes, a position of a golf course guiding device is detected in association with each cell by a slave device position detector. Information on a corresponding cell, the distance and direction from a hole cell information table of a hole cell information storage unit to a green centre, are indicated on a LCD. Also, the distance is corrected in view of wind direction and wind velocity.

The slave device position detector similarly performs detection in the respective holes in association with each cell, and information on a corresponding cell, a distance from a green cell information table of a green cell information storage unit to a pin, and a slope, a turf condition and the like, are indicated on the LCD. In a golf course managing device (1), positions of the respective golf course guiding devices are detected to be indicated on a CRT display (11) for managing of distances between players and progress of playing.

Title Terms /Index Terms/Additional Words: GOLF; COURSE; GUIDE; MANAGE; SYSTEM; DIVIDE; RESPECTIVE; HOLE; GREENS; CELL; AREA; DETECT; POSITION; DEVICE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A63B-071/06			Main		"Version 7"
G06F-015/44; G06F-019/00; G09F-017/00			Secondary		"Version 7"

US Classification, Issued: 473407000, 473131000, 342126000, 342357000, 342450000, 340500000, 340825320 , 340323000

File Segment: EngPI; EPI;

DWPI Class: W04; P36; P85

Manual Codes (EPI/S-X): W04-X01D; W04-X01F

30/5/5 (Item 5 from file: 350) [Links](#)

Derwent WPIX

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0006110778 *Drawing available*

WPI Acc no: 1992-351462/199243

XRPX Acc No: N1992-267973

Map projection transformation for geographical information processing - using latitude and longitude centred on projection area and applying linear interpolation

Patent Assignee: HITACHI LTD (HITA)

Inventor: FUJITA T; KAKUMOTO S; NOMOTO Y

Patent Family (4 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 509839	A2	19921021	EP 1992303490	A	19920416	199243	B
EP 509839	A3	19950111	EP 1992303490	A	19920416	199538	E
US 5544052	A	19960806	US 1992870904	A	19920420	199637	E
			US 1995396328	A	19950228		
EP 509839	B1	19980701	EP 1992303490	A	19920416	199830	E

Priority Applications (no., kind, date): JP 199188109 A 19910419

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 509839	A2	EN	31	16		
Regional Designated States,Original	FR GB					
EP 509839	A3	EN				
US 5544052	A	EN	28	16	Continuation of application	US 1992870904
EP 509839	B1	EN				
Regional Designated States,Original	FR GB					

Alerting Abstract EP A2

The geographical information processing system includes a graphic database (105) holding **map data** using a coordinate system based on **latitude** and **longitude**. All transformations are performed using the **longitude** and **latitude** system. The region to be transformed (101) and a region of interest (102) identified. Transformation equations are determined and carried out by linear interpolation using a 3 * 3 matrix of constants and by subdividing the area into management units. Each of the units can be processed independently using parallel processing. USE/ADVANTAGE - Transforms graphic **data** co-ordinate into desirable **map** projection. Simplifies transformations by using **latitude** and **longitude** references and linear transformations on sections.

Title Terms /Index Terms/Additional Words: MAP; PROJECT; TRANSFORM; GEOGRAPHICAL ; INFORMATION; PROCESS; LATITUDE; LONGITUDE; CENTRE; AREA; APPLY; LINEAR; INTERPOLATION

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/62; G06F-019/00 ; G06T-017/50			Main		"Version 7"
G09B-029/00			Secondary		"Version 7"

US Classification, Issued: 364420000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J04; T01-J10; T01-J10G

30/5/6 (Item 6 from file: 350) [Links](#)

Derwent WPIX

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0005912449 *Drawing available*

WPI Acc no: 1992-141954/199218

XRPX Acc No: N1992-106172

Transport monitoring system using radio transmitters - sends data telegrams to control centre contg. identity, travel information and vehicle position data

Patent Assignee: DAIMLER-BENZ AEROSPACE AG (DAIM); TELEFUNKEN SYSTEMTECHNIK GMBH (TELE)

Inventor: RITTER U

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 4032198	A	19920423	DE 4032198	A	19901011	199218	B
DE 4032198	C2	19951019	DE 4032198	A	19901011	199546	E

Priority Applications (no., kind, date): DE 4032198 A 19901011

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 4032198	A	DE	7	3	
DE 4032198	C2	DE	7	3	

Alerting Abstract DE A

The transport monitor involves providing a mobile subscriber (2, 3) with a vehicle-mounted radio transmitter which sends digital data telegrams to a control centre. There are several fixed stations (10, 11, 12). The data telegrams

contain fixed, vehicle-specific data, manually provided transport data and sensor or externally provided position data.

The control **centre** requests transmissions of **data** telegrams from the mobiles by sending digital transmission request signals to them. The positions of the mobiles are displayed on a geographic **map** and all travel and transport-specific **data** held in a memory for vehicles whilst they are in the region controlled by the control **centre**.
USE/ADVANTAGE - E.g. for controlling cash transport, dangerous material transport, taxis, buses, etc. The method and arrangement enable continuous monitoring of vehicles for position, direction, identity, etc. at economical cost.

Title Terms /Index Terms/Additional Words: TRANSPORT; MONITOR; SYSTEM; RADIO; TRANSMIT; SEND; DATA; TELEGRAM; CONTROL; CENTRE; CONTAIN; IDENTIFY; TRAVEL; INFORMATION; VEHICLE; POSITION

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-019/00			Main		"Version 7"
G01S-005/10; G06F-015/48; G08G-001/12; H04B-001/38; H04B-007/26			Secondary		"Version 7"

File Segment: EPI;

DWPI Class: T01; T07; W02; W05; W06

Manual Codes (EPI/S-X): T01-J06B; T07-A03; W02-G02B; W05-A05A; W05-B05B2; W06-A03

Subject Search: Patent full text

09/439550

Set	Items	Description
S1	1102748	S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?) (2N) (CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)
S2	14657	S S1 (3N) (DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE) () (BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANI?ED()COLLECTION? ? OR RELATED OR INTERRELATED) (2N) (FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT) (2N)STORAGE OR KNOWLEDGEBASE? ?)
S3	70432	S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?) ()LOCAT??? OR GLONASS OR POSITION() (DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN GEORGRAPHICAL() INFORMATION()SYSTEM
S4	964697	S CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?
S5	823410	S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERI?ATION? ? OR DATA
S6	47224	S (VIRTUAL OR AUTOMAT?? OR COMPUTERI?ED OR INTELLIGENT) (2N) (ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)
S7	66519	S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?) (2N) (RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)
S8	150351	S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?) (3N) (INPUT? OR (IN()PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)
S9	134493	S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOS? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?) (3N) (MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S10	125240	S S4(S)S5
S11	818	S S2(S)S10
S12	61	S S11(S)S6
S13	3	S S12(S)S7
S14	3	IDPAT (sorted in duplicate/non-duplicate order)
S15	1	IDPAT (primary/non-duplicate records only)
S16	22344	S S1(S)S10
S17	610	S S16(S)S6
S18	125	S S17(S)S8
S19	28	S S18(S)S9
S20	1	S S19 AND IC=(A61B-005/00 OR G06F-019/00)
S21	16	S S19 AND IC=(A61B? OR G06F?)
S22	16	IDPAT (sorted in duplicate/non-duplicate order)
S23	11	IDPAT (primary/non-duplicate records only)
S24	11	S S23 NOT S15
S25	3	S S24 NOT AD=19991109:20070612
S26	7901	S S2(S) (MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S27	832	S S26(S)S4
S28	543	S S27(S)S5
S29	128	S S28(S)S3
S30	1	S S29 AND IC=(A61B-005/00 OR G06F-019/00)
S31	13	S S28 AND IC=(A61B-005/00 OR G06F-019/00)
S32	3	S S31 NOT AD=19991109:20070612
S33	3	IDPAT (sorted in duplicate/non-duplicate order)
S34	1	IDPAT (primary/non-duplicate records only)
S35	1	S S34 NOT (S23 OR S30 OR S15)

; show files

[File 348] EUROPEAN PATENTS 1978-2007/ 200723

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**File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT** 1979-2007/UB=20070607UT=20070531

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**File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

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15/5/1 (Item 1 from file: 348) **Links**

EUROPEAN PATENTS

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00662896

Recording and reproducing apparatus

Aufzeichnungs- und Wiedergabegerat

Appareil d'enregistrement et de reproduction

Patent Assignee:

- **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.;** (216883)
1006, Oaza-Kadoma; Kadoma-shi, Osaka-fu 571-8501; (JP)
(Proprietor designated states: all)

Inventor:

- **Oshima, Mitsuaki**
115-3, Katsura Minami Tatsumi-cho; Nishikyo-ku, Kyoto; (JP)

Legal Representative:

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	Country	Number	Kind	Date	
Patent	EP	637016	A2	19950201	(Basic)
	EP	637016	A3	19950830	
	EP	637016	B1	20010307	
Application	EP	94305557		19940727	
Priorities	JP	93205682		19930727	
	JP	94104879		19940418	
	JP	94156089		19940707	
	JP	93297504		19931102	
	JP	93314114		19931119	

Designated States:

BE; CH; DE; FR; GB; IT; LI; NL;

Related Divisions: Patent (Application):EP 1050879 (EP 115017)

International Patent Class (V7): G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28**CITED PATENTS: (EP B)**

DE 4308680 A; NL 9101358 A; **Abstract** EP 637016 A2

A disk-shaped recording medium (2) includes a transparent substrate (5), and an optical recording layer (4) formed on the transparent substrate (5). A light source emits light. An optical head (6) is operative for applying the light to the optical recording layer from the light source via the transparent substrate, for focusing the light on the optical recording layer, and for reproducing information from the optical recording layer. A position detecting device is operative for detecting at least one of a pit depth and a physical position of information which has a first given relation with a specified address and which is recorded on the recording medium, and for generating first positional information representing at least one of the pit depth and the physical position. A previously-recorded secret code (538) is reproduced (534) from the recording medium. The secret code represents second positional information. The secret code is decoded into the second positional information. The second positional information represents at least one of a predetermined reference pit depth and a predetermined reference physical position. The first positional information and the second positional information are collated (535), and a check is made as to whether or not the first positional information and the second positional information are in a second given relation. When the first positional information and the second positional information are not in the second given relation, one of outputting of a reproduced signal of the recording medium, operation of a program stored in the recording medium, and decoding of the secret code is stopped. (see image in original document)

Abstract Word Count: 263

NOTE: 243

NOTE: Figure number on first page: 243

Type	Pub. Date	Kind	Text
Change:	20000913	A2	Application number of divisional application (Article 76) changed: 20000725
Application:	19950201	A2	Published application (A1with;A2without)
Oppn None:	20020227	B1	No opposition filed: 20011208
Grant:	20010307	B1	Granted patent
Examination:	19950201	A2	Date of filing of request for examination: 940805
Search Report:	19950830	A3	Separate publication of the European or International search report
Examination:	19980408	A2	Date of despatch of first examination report: 980220

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	497
SPEC A	(English)	EPABF2	73803

CLAIMS B	(English)	200110	832
CLAIMS B	(German)	200110	734
CLAIMS B	(French)	200110	981
SPEC B	(English)	200110	58999
Total Word Count (Document A) 74313			
Total Word Count (Document B) 61546			
Total Word Count (All Documents) 135859			

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25/5/1 (Item 1 from file: 348) [Links](#)

EUROPEAN PATENTS

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00306058

Digital data processing system.

Digitales Datenverarbeitungssystem.

Système de traitement de données numériques.

Patent Assignee:

- **DATA GENERAL CORPORATION;** (410940)
Route 9; Westboro Massachusetts 01581; (US)
(applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

Inventor:

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- **Katz, Lawrence H.**
10943 S. Forest Ridge Road; Oregon City Oregon 97045; (US)
- **Mundie, Craig James**
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Lapse:	20000209	B1	(Country, date): AT 19931222, BE 19931222, FR 19940513, IT 19931222, LU 19940531, NL 19931222, SE 19931222,
Change:	20060405	B1	Title of invention (French) changed: 20060405
Change:	20060405	B1	Title of invention (English) changed: 20060405
Application:	19881109	A2	Published application (A1 with; A2 without)
Search Report:	19890503	A3	Separate publication of the European or International search report
Examination:	19891220	A2	Date of filing of request for examination: 891026
Examination:	19920115	A2	Date of despatch of first examination report: 911202
Grant:	19931222	B1	Granted patent
Change:	19940810	B1	Representative (change)
Lapse:	19940928	B1	Date of lapse of the European patent in a Contracting State: NL 931222
Lapse:	19941026	B1	Date of lapse of the European patent in a Contracting State: NL 931222, SE 931222
Lapse:	19941117	B1	Date of lapse of the European patent in a Contracting State: AT 931222, NL 931222, SE 931222
Lapse:	19941130	B1	Date of lapse of the European patent in a Contracting State: AT 931222, BE 931222, NL 931222, SE 931222
Oppn None:	19941214	B1	No opposition filed
Lapse:	19950118	B1	Date of lapse of the European patent in a Contracting State: AT 931222, BE 931222, FR 940513, NL 931222, SE 931222
Lapse:	19991020	B1	Date of lapse of European Patent in a contracting state (Country, date): AT 19931222, BE 19931222, FR 19940513, IT 19931222, NL 19931222, SE 19931222,

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1044
CLAIMS B	(German)	EPBBF1	890
CLAIMS B	(French)	EPBBF1	1185
SPEC B	(English)	EPBBF1	154314
Total Word Count (Document A) 0			
Total Word Count (Document B) 157433			
Total Word Count (All Documents) 157433			

25/5/2 (Item 1 from file: 349) [Links](#)

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00514167

FLEET MANAGEMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE DE GESTION DE PARC AUTOMOBILE

Patent Applicant/Patent Assignee:

- **MOBILE INFORMATION SYSTEM INC;**

;;

	Country	Number	Kind	Date
Patent	WO	9945519	A2	19990910
Application	WO	99US4931		19990305
Priorities	US	9836094		19980306

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

IPC	Level
G06F-017/60	Main

Publication Language: English

Filing Language:

Fulltext word count: 14527

English Abstract:

According to the present invention, a technique for processing data is provided. The invention provides a fleet management system with a novel interface unit. The interface unit (116) that includes a processor (122). A positioning system (120) couples to a first antenna (126) and to the processor. A remote data terminal (118) electrically couples to the interface unit during at least a first time period. The remote data terminal is capable of data transfers with the interface unit during the first time period and with a user.

French Abstract:

L'invention concerne une technique de traitement de donnees ainsi qu'un systeme de gestion de parc automobile dote d'un module d'interfacage nouveau (116) comprenant un processeur (122). Un systeme de positionnement (120) est couple a une premiere antenne (126) et au processeur. Une terminal eloigne (118) est couple electriquement au module d'interfacage pendant au moins une premiere periode. Il est capable de transferer des donnees au module d'interfacage pendant la premiere periode et un utilisateur.

25/5/3 (Item 2 from file: 349) [Links](#)

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00465480

**SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR PATENT-CENTRIC AND
GROUP-ORIENTED DATA PROCESSING, INCLUDING USING HYPERBOLIC TREES TO VISUALIZE**

DATA

SYSTEME, PROCEDE, ET PROGRAMMES INFORMATIQUES POUR LE TRAITEMENT DE DONNEES AXES SUR DES BREVETS D'INVENTION OU DES GROUPES, INCLUANT L'UTILISATION D'ARBORESCENCES HYPERBOLIQUES POUR VISUALISER DES DONNEES

Patent Applicant/Patent Assignee:

- SMARTPATENTS INC;

;;

	Country	Number	Kind	Date
Patent	WO	9855945	A1	19981210
Application	WO	98US10923		19980602
Priorities	US	97867392		19970602
	US	97921369		19970829

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

IPC	Level
G06F-017/30	Main

Publication Language: English

Filing Language:

Fulltext word count: 83313

English Abstract:

A system, method, and computer program product for processing data are described herein. The system maintains first databases of patents, and second databases of non-patent information of interest to a corporate entity. The system also maintains one or more groups. Each of the groups comprises any number of the patents from the first databases. The system, upon receiving appropriate operator commands, automatically processes the patents in one of the groups in conjunction with non-patent information from the second databases. Accordingly, the system performs patent-centric and group-oriented processing of data. A group can also include any number of non-patent documents. The groups may be product based, person based, corporate entity based, or user-defined. Other types of groups are also covered, such as temporary groups. The processing automatically performed by the system relates to (but is not limited to) patent mapping, document mapping, patent citation (both forward and backward), patent aging, patent bracketing/clustering (both forward and backward), inventor patent count, inventor employment information, patent claim tree analysis, and finance. Other functions and capabilities are also covered, including the ability to utilize hyperbolic trees to visualize data generated by the system, method, and computer program product.

French Abstract:

L'invention porte sur un systeme, un procede et un ensemble de programmes informatiques de traitement de donnees comportant de premieres bases de donnees de brevets, de deuxiemes bases de donnees d'informations non relatives a des brevets, mais presentant un interet pour une societe, et egalement un ou plusieurs groupes comprenant chacun un certain nombre de brevets des premieres bases de donnees. Au recu d'ordres appropriees d'un operateur, le systeme

traite automatiquement les brevets de l'un des groupes en association avec des d'informations non relatives a des brevets des deuxiemes bases de donnees. Le systeme execute donc des traitements de donnees centres sur les brevets et sur les groupes. Un groupe peut egalement contenir des documents non relatifs a des brevets. Les groupes peuvent etre axes sur les produits, sur les personnes, sur les societes, ou sur les utilisateurs. D'autres groupes tels que des groupes temporaires sont egalement prevus. Le traitement qu'execute automatiquement le systeme porte (non limitativement) sur: la mise en concordance des brevets et des documents, les citations des brevets (vers l'amont ou l'aval), la classification chronologique, la classification par tranches d'anciennete et le regroupement (vers l'amont ou l'aval), le comptage des brevets par inventeur, les informations sur les employeurs des inventeurs, l'analyse arborescente des revendications, et l'aspect financier, ainsi que sur d'autres fonctions et possibilites dont la capacite d'utiliser des arborescences hyperboliques pour visualiser des donnees produites par le systeme, par le procede et par les programmes informatiques.

30/5/1 (Item 1 from file: 349) [Links](#)

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00423319

SYSTEM AND METHOD FOR OPTIMIZED CONTROL OF MOVING IRRIGATION SYSTEMS
SYSTEME ET PROCEDE DESTINES A OPTIMISER LE FONCTIONNEMENT DE SYSTEMES
D'IRRIGATION MOBILES

Patent Applicant/Patent Assignee:

- **HERGERT C David;**

;;

	Country	Number	Kind	Date
Patent	WO	9813780	A1	19980402
Application	WO	97US16492		19970917
Priorities	US	96721226		19960926

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

IPC	Level
G06F-019/00	Main

Publication Language: English

Filing Language:

Fulltext word count: 4447

English Abstract:

The system (22) for optimization of irrigation system (Figure 1) operation comprises a computer (16), storage device (34) coupled to the computer (16) for storing data, a global positioning satellite transmission receiver (26) coupled to the computer (16), a geographic information satellite transmission receiver (24) coupled to the computer (16), a plurality of irrigation pivot controllers (20) remotely coupled to the computer (16), and a grid power monitor (28)

coupled to the computer (16) for providing power grid demand and usage data to the computer (16). The system (22) may also include a plurality of sensors (14) located in each of the irrigated fields (12) which transmit soil information directly to the central computer (16) and which supplement the information from the GIS satellite. The computer (16) in turn generates priorities of operation for the irrigation systems based on the soil condition information and most economical load operating periods from the electrical power utility (28).

French Abstract:

L'invention se rapporte a un systeme (22), qui est destine a optimiser le fonctionnement d'un systeme d'irrigation (figure 1) et qui comprend les elements suivants: un ordinateur (16); un dispositif (34) de stockage, qui est associe a l'ordinateur (16) et qui sert a stocker des donnees; un recepteur (26) du systeme mondial de localisation, qui est associe a l'ordinateur (16); un recepteur (24) du systeme d'information geographique, qui est associe a l'ordinateur (16); une pluralite d'unites (20) de commande des rampes d'irrigation, qui sont associees a distance a l'ordinateur (16); et un controleur (28) de secteur, qui est associe a l'ordinateur (16) pour lui fournir une demande de secteur et des donnees relatives a l'utilisation. Ledit systeme (22) peut egalement comprendre une pluralite de capteurs (14) places dans les champs (12) irrigues, qui transmettent directement des renseignements sur les conditions pedologiques a l'ordinateur (16) central et qui transmettent les informations recues du satellite GIS. L'ordinateur (16) choisit alors des modes prioritaires de fonctionnement des systemes d'irrigation en fonction des renseignements relatifs aux conditions pedologiques et des plages de fonctionnement les plus economiques donnees par ladite centrale (28) electrique.

35/5/1 (Item 1 from file: 349) [Links](#)

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00407320

COMPUTER AIDED ROUTING AND POSITIONING SYSTEM

SYSTEME D'ETABLISSEMENT D'ITINERAIRE ET DE POSITIONNEMENT ASSISTE PAR ORDINATEUR

Patent Applicant/Patent Assignee:

- **DELORME PUBLISHING COMPANY INC;**

;;

	Country	Number	Kind	Date
Patent	WO	9748065	A1	19971218
Application	WO	97US9989		19970609
Priorities	US	96661600		19960611

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

IPC	Level
G06F-019/00	Main
G01C-21:00	

G09B-29:10	
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Publication Language: English

Filing Language:

Fulltext word count: 39771

English Abstract:

A Computer Aided Routing and Position System (CARPS) determines a travel route (123) along selected waypoints (124) that include a travel origin and a travel destination and intermediate waypoints therebetween. The selected waypoints (124) may be uploaded to or downloaded from various geocoding devices that utilize the Global Positioning System (GPS). A CARPS database incorporates travel information selected from a range of multimedia sources about the transportation routes, waypoints, and geographically locatable points of interest (POIs) selected by the user (103) along the travel route (123). The CARPS software (100) permits user selection of specified POI types within a user-defined region of interest and user selection of particular POIs from the selected types within the region of interest. The CARPS software (100) is constructed to present a user-customized travel log for preview.

French Abstract:

Système d'établissement d'itinéraire et de positionnement assisté par ordinateur (CARPS) qui détermine un itinéraire (123) le long de points de cheminement sélectionnés (124) comportant un point de départ et un point de destination et des points de cheminement intermédiaires. Les points de cheminement sélectionnés (124) peuvent être téléchargés en amont ou en aval depuis divers dispositifs de géocodage qui utilisent le GPS. Une base de données de CARPS comporte des informations de voyage sélectionnées parmi toute une gamme de sources multimédias sur les itinéraires de transport, les points de cheminement et les points présentant un intérêt géographiquement localisables sélectionnés par l'utilisateur (103) le long de l'itinéraire (123). Le logiciel (100) de CARPS permet à l'utilisateur de sélectionner des types spécifiques de points présentant un intérêt à l'intérieur d'une région présentant un intérêt définie par ledit utilisateur et de sélectionner des points particuliers présentant un intérêt à partir des types choisis à l'intérieur de la région présentant un intérêt. Le logiciel (100) de CARPS est conçu pour présenter un journal de voyage adapté à l'utilisateur et lui permettant de visualiser l'itinéraire.

Subject Search: Non patent literature, bibliographic
09/439550

Set	Items	Description
S1	2714871	S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?)(2N)(CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)
S2	9929	S S1 (3N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANIZED()COLLECTION? ? OR RELATED OR INTERRELATED)(2N)(FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT)(2N)STORAGE OR KNOWLEDGEBASE? ?)
S3	300305	S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?)()LOCAT??? OR GLONASS OR POSITION()DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN GEORGRAPHICAL()INFORMATION()SYSTEM
S4	3702180	S CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?
S5	7187786	S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERIZATION? ? OR DATA
S6	78925	S (VIRTUAL OR AUTOMAT?? OR COMPUTERIZED OR INTELLIGENT)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)
S7	43275	S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?)(2N)(RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)
S8	44468	S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?)(3N)(INPUT? OR (IN()PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)
S9	165544	S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOS? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?)(3N)(MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S10	581861	S S4 AND S5
S11	980	S S2 AND S10
S12	183	S S11 AND S3
S13	4	S S12 AND S6
S14	1	S S13 NOT PY>1999
S15	91358	S S1 AND S10
S16	684	S S15 AND S6
S17	83	S S16 AND S3
S18	69	S S17 AND (MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S19	38	S S18 NOT PY>1999
S20	30	RD (unique items)
S21	0	S ((GEOCOD? OR GEO()CODE)(S)(CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER))(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))(S)((MAP OR MAPS OR MAPP? OR CARTOGRAPH? OR GEOGRAPH? OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)(5N)(CHART? ? OR GRID? ? OR MARKER? ? OR MARK? ? OR GUIDE? ?)(2N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ?))
S22	0	S (GEOCOD? OR GEO()CODE)(S)(CENTROID? OR BARYCENTER) AND (VIRTUAL OR COMPUTERIZED)(5N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR LOCATION? ? OR ZIP()CODE) AND ((MAP OR MAPS OR MAPP? OR CARTOGRAPH? OR GEOGRAPH? OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)(S)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ?)) AND (CHART? ? OR GRID? ? OR MARKER? ? OR MARK? ? OR GUIDE? ?)
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S24 0 S ((GEOCOD? OR GEO()CODE) OR (CENTROID? OR BARYCENTER)) AND ((VIRTUAL OR
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COMPUTER?ED)(5N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR LOCATION? ? OR ZIP()CODE) AND
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MARKER? ? OR MARK? ? OR GUIDE? ?))

S26 1 S ((GEOCOD? OR GEO()CODE) OR (CENTROID? OR BARYCENTER)) AND ((VIRTUAL OR
COMPUTER?ED)(5N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR LOCATION? ? OR ZIP()CODE) AND ((MAP OR
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? OR MARKER? ? OR MARK? ? OR GUIDE? ?))

S27 1 S (CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR
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S28 1 S S27 NOT (S14 OR S20 OR S26)

; show files

[File 5] **Biosis Previews(R)** 1926-2007/Jun W2

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[File 6] **NTIS** 1964-2007/Jun W3

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[File 50] **CAB ABSTRACTS** 1972-2007/APR

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[File 57] **Electronics & Communications Abstracts** 1966-2007/May

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[File 62] **SPIN(R)** 1975-2007/May W4

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[File 87] **TULSA (Petroleum Abs)** 1965-2007/May W4

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[File 89] **GeoRef** 1785-2007/Apr B1

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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/May

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[File 143] **Biol. & Agric. Index** 1983-2007/May

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[File 144] **Pascal** 1973-2007/Jun W1

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[File 203] **AGRIS** 1974-2007/Apr

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[File 266] **FEDRIP** 2007/May

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

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[File 474] **New York Times Abs** 1969-2007/Jun 13

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[File 475] **Wall Street Journal Abs** 1973-2007/Jun 13

(c) 2007 The New York Times. All rights reserved.

[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13

(c) 2002 The Gale Group. All rights reserved.

**File 583: This file is no longer updating as of 12-13-2002.*

[File 987] **TULSA (Petroleum Abs)** 1965-2007/May W4

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=====

14/3,K/1 (Item 1 from file: 6) [Links](#)

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NTIS Accession Number: AD-A174

260/0

Climatic Atlas of Icing Potential Over North America

(Summary rept)

Air Force Environmental Technical Applications Center, Scott AFB, IL.

Corporate Source Codes: 055060000; 400945

Report Number: USAFETAC/DS-86/001

Jan 86 129p

Language: English

Journal Announcement: GRAI8705

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NTIS Prices: PC A07/MF A01

...temperature), can be derived. The Smith-Feddes Liquid Water Content (LWC) computer model uses combined **data** from the Air Force Global Weather **Central** Three-Dimensional Nephanalysis **Data** Base (3DNEPH) and the upper air Analysis **Data** Set for input. Output consists of percent frequency of occurrence of a liquid water content...
...was generated for three concentrations, three layers and for temperatures at or below freezing. This **data** was then manually converted into 117 monthly and annual maps showing percent frequency of occurrence...

Descriptors: *Ice formation; *Meteorological **data**; *Climate; Atmosphere models; Liquid phases; Water; Concentration(Composition); Meteorological charts; Geographical distribution; North america; Upper atmosphere; Cloud physics; Particle size; Atmospheric temperature; Freezing; Aircraft; Low elevation; Layers; **Altitude**; Spatial distribution; Earth atmosphere; **Computerized** simulation; **Data bases**; **Maps**

20/3,K/1 (Item 1 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

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14118207 **Biosis No.:** 199799752267

Geographic information systems: Their use in environmental epidemiologic research

Author: Vine Marilyn F (Reprint); Degnan Darrah; Hanchette Carol

Author Address: Dep. Epidemiol., CB No. 7400 McGavran-Greenberg Hall, Univ. North Carolina, Chapel Hill, NC 27599-7400, USA**USA

Journal: Environmental Health Perspectives 105 (6): p 598-605 1997 1997

ISSN: 0091-6765

Document Type: Article

Record Type: Abstract

Language: English

Abstract: Advances in geographic information system (GIS) technology, developed by geographers, provide new opportunities for environmental epidemiologists to study associations between environmental exposures and the spatial distribution of disease. A GIS is a powerful computer **mapping** and analysis technology capable of integrating large quantities of geographic (spatial) **data** as well as linking geographic with nongeographic **data** (e.g., **demographic** information, environmental exposure levels). In this paper we provide an overview of some of the capabilities and limitations of GIS technology; we illustrate, through practical examples, the use of several functions of a GIS including **automated address** matching, distance functions, buffer analysis, spatial query, and polygon overlay; we discuss methods and limitations of **address geocoding**, often **central** to the use of a GIS in environmental epidemiologic research; and we suggest ways to facilitate its use in future studies. Collaborative efforts between epidemiologists, biostatisticians, environmental scientists, GIS specialists, and medical geographers are needed to realize the full potential of GIS technology in environmental health research and may lead to innovative solutions to complex questions.

20/3,K/2 (Item 2 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

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13890765 Biosis No.: 199799524825

Use of immunization data and automated mapping techniques to target public health outreach programs

Author: Popovich Michael L; Tatham Brad

Author Address: Arizona Immunization Information System Project, Scientific Technologies Corporation, Tucson, AZ, USA**USA

Journal: American Journal of Preventive Medicine 13 (2 SUPPL.): p 102-107 1997 1997

ISSN: 0749-3797

Document Type: Article

Record Type: Abstract

Language: English

Use of immunization data and automated mapping techniques to target public health outreach programs

Abstract: ...Department of Health Services is implementing the Arizona State Immunization Information System (ASIIS). As immunization data are collected at the central registry, questions arise as to how to use this information to support immunization action plans... ..susceptible to this disease could be identified using the registry along with census and outbreak data. To accomplish this a geographical information system (GIS) product was integrated with ASIIS. Geographic representation of information allowed immunization coordinators to determine visually... ..hence susceptible to the disease. Because not all children were in the immunization registry, census data were used to identify the areas where the greatest number of children lived. This technical approach illustrated the need, value, and impact of integrating related data sources to support immunization initiatives. The visual aspect of a GIS display offered an enhanced understanding of the disease outbreak. This type of automated tool was...

DESCRIPTORS:

Miscellaneous Terms: Concept Codes: ...AUTOMATED MAPPING TECHNIQUES... ..IMMUNIZATION DATA;

20/3,K/3 (Item 3 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

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12811191 Biosis No.: 199598279024

An approach to quantifying spatial components of exposure for ecological risk assessment

Author: Clifford Philip A (Reprint); Barchers Daniel E; Ludwig David F; Sielken Robert L; Klingensmith J Scott; Graham Richard V; Banton Marcy I

Author Address: EA Engineering Sci. Technol. Inc., 11019 McCormick Rd., Hunt Valley, MD 21031, USA**USA

Journal: Environmental Toxicology and Chemistry 14 (5): p 895-906 1995 1995

ISSN: 0730-7268

Document Type: Article

Record Type: Abstract

Language: English

Abstract: Estimating ecological risks associated with contaminants in the environment requires accurate **characterization** of the exposure of organisms to potentially toxic materials. Because organisms integrate contaminant exposure over... actual exposures is a complex task. Quantification of spatial components of environmental exposure can utilize **computerized** Geographic **Information** Systems (**GIS**) as a **central** tool. The **GIS** was used to evaluate ecological risks to terrestrial receptors at a National Priorities List (NPL) site where dieldrin was one of the contaminants. The **GIS** was applied directly to estimating spatially weighted exposure concentrations within organisms' foraging, or exposure ranges. Moreover, **GIS** was also used for comparing exposure concentrations to "benchmark" concentrations and subsequent presentation of the... dimensional "risk-surface" format. The three-dimensional risk surfaces were then superimposed on site-specific **maps** to serve as effective visual representations of site-specific quantified ecological risks and, as such, provide an effective risk-management decision-making tool. As an integral part of this approach, **GIS** serves as an interactive tool for assessing the effectiveness of proposed remedial alternatives by facilitating...

20/3,K/4 (Item 4 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

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11782859 **Biosis No.:** 199395085125

Land use dynamics within an urbanizing non-metropolitan county in New York State (USA)

Author: Lagro James A Jr (Reprint); Degloria Stephen D

Author Address: Dep. Landscape Architecture, 25 Agriculture Hall, Univ. Wisconsin-Madison, Madison, WI 53706, USA**USA

Journal: Landscape Ecology 7 (4): p 275-289 1992

ISSN: 0921-2973

Document Type: Article

Record Type: Abstract

Language: English

Abstract: Land use/land cover **data** for fifteen minor civil divisions (MCDs) in Ulster County, New York (USA) were interpreted from 1968 and 1985 aerial photographs. These **data** were combined with ancillary physiographic and **demographic data** as raster layers within a **computerized** geographic **information** system (**GIS**). Class to class changes in land use/land cover were quantified for a study area... and the ancillary variables were modeled in a series of weighted least squares regressions employing **data** spatially aggregated by general soil **map** unit (N = 44). Between 1968 and 1985, nearly one-third of the study area changed... land cover proportions of the soil units were population density, highway proximity, distance to urban **centers**, mean elevation, mean slope gradient, and soil suitability for farming and for urban development.

DESCRIPTORS:

Miscellaneous Terms: Concept Codes: ...LAND COVER DATA;

20/3,K/5 (Item 1 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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N20020080094/XAB

Mapping Van

Global Visions, Inc., Herndon, VA.

Corporate Source Codes: 888888888; ZT008477

Sponsor: National Aeronautics and Space Administration, Washington, DC.

1994 1p

Language: English

Journal Announcement: USGRDR0305; STAR4110

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NTIS Prices: PC A01

Mapping Van

A NASA Center for the Commercial Development of Space (CCDS) - developed system for satellite mapping has been commercialized for the first time. Global Visions, Inc. maps an area while driving along a road in a sophisticated mapping van equipped with satellite signal receivers, video cameras and computer systems for collecting and storing mapping data. Data is fed into a computerized geographic information system (GIS). The resulting maps can be used for tax assessment purposes, emergency dispatch vehicles and fleet delivery companies as...

Descriptors: *Global positioning system; *Thematic mapping; *Trucks ; *Geographic information systems; Receivers; Data acquisition; Cameras

20/3,K/6 (Item 2 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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DE92011918

CHAWS user's guide: System description and standard operating procedures, Johnston Island JCAD Facility

Martins, S. A. ; Shinn, J. H.

Lawrence Livermore National Lab., CA.

Corporate Source Codes: 068147000; 9513035

Sponsor: Department of Energy, Washington, DC.

Report Number: UCRL-CR-105263

Jul 90 141p

Language: English

Journal Announcement: GRAI9221; ERA9242

Sponsored by Department of Energy, Washington, DC.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield,

VA, 22161, USA.

NTIS Prices: PC A07/MF A02

CHAWS user's guide: System description and standard operating procedures, Johnston Island JCAD Facility

The Chemical Hazard Warning System (CHAWS) is designed to collect meteorological data and to display, in real time, the dispersion of hazardous chemicals that may result from... ..and are used to calculate direction and hazard distance for the release. Based on these data, arrows depicting the release direction and distance traveled are graphically displayed on a computer screen showing a site map of the facility. The objectives of CHAWS are as follows: to determine the trajectory of the center of the mass of released material from the measured wind field; to calculate the dispersion... ..the mixing zone by measurement of the inversion height and wind profiles up to an altitude of about 1 km at sites that have SODAR units installed; to archive meteorological data for potential use in climatological descriptions for emergency planning; to archive air-quality data for preparation of compliance reports; to provide access to the data for near real time hazard analysis purposes.

Descriptors: *Chemical Effluents; *Computerized Control Systems; *Data Processing; Computer Graphics; Computer Codes; Computer Networks; Computer Program Documentation; Data Acquisition; Data Transmission; Education; Emission; Flowsheets; Hazardous Materials; Installation; Manuals ; Measuring Instruments; Meteorology; Operation; Real Time Systems...

20/3,K/7 (Item 3 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

(c) 2007 NTIS, Intl Cpyrght All Rights Res. All rights reserved.1598079 **NTIS Accession Number:**
N91-25939/0

Integrating NASA's Land Analysis System (Las) Image Processing Software with an Appropriate Geographic Information System (Gis): A Review of Candidates in the Public Domain

(Abstract Only)

Rochon, G. L.

Dillard Univ., New Orleans, LA. Urban Studies and Public Policy Inst.

Corporate Source Codes: 101785001; DW192114

Sponsor: National Aeronautics and Space Administration, Washington, DC.

Sep 89 1p

Language: English

Journal Announcement: GRAI9121; STAR2917

In Maryland Univ., the 1989 NASA-Asee Summer Faculty Fellowship Program in Aeronautics and Research p 37 (See N91-25914 17-82).

NTIS Prices: (Order as N91-25914/3, PC A04/MF A01)

...NASA's Land Analysis System (Las) Image Processing Software with an Appropriate Geographic Information System (Gis): A Review of Candidates in the Public Domain

...user requirements analysis (URA) was undertaken to determine and appropriate public domain Geographic Information System (GIS) software package for potential integration with NASA's LAS (Land Analysis System) 5.0 image... ..underscored due to the perceived need for source code access and flexibility in tailoring the GIS system to the needs of a heterogenous group of end-users, and to specific constraints...

...Transportable Applications Executive (TAE). Subsequently, a review was conducted of a variety of public domain GIS candidates, including GRASS 3.0, MOSS, IEMIS, and two university-based packages, IDRISI

and KBGIS. The review method was a modified version of the GIS evaluation process, development by the Federal Interagency Coordinating Committee on Digital Cartography. One IEMIS-derivative product, the ALBE (AirLand Battlefield Environment) GIS, emerged as the most promising candidate for integration with LAS. IEMIS (Integrated Emergency Management Information System) was developed by the Federal Emergency Management Agency (FEMA). ALBE GIS is currently under development at the Pacific Northwest Laboratory under contract with the U.S... ..Engineering Topographic Laboratory (ETL). Accordingly, recommendations are offered with respect to a potential LAS/ALBE GIS linkage and with respect to further system enhancements, including coordination with the development of the Spatial Analysis and Modeling System (SAMS) GIS in Goddard's IDM (Intelligent Data Management) developments in Goddard's National Space Science Data Center.

Descriptors: *Computer aided mapping; *Data management; *Geographic information systems; *Image processing; *User requirements; Grasses; Management information systems; Applications programs (Computers...

20/3,K/8 (Item 4 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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Climatic Atlas of Icing Potential Over North America

(Summary rept)

Air Force Environmental Technical Applications Center, Scott AFB, IL.

Corporate Source Codes: 055060000; 400945

Report Number: USAFETAC/DS-86/001

Jan 86 129p

Language: English

Journal Announcement: GRAI8705

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NTIS Prices: PC A07/MF A01

...temperature), can be derived. The Smith-Feddes Liquid Water Content (LWC) computer model uses combined **data** from the Air Force Global Weather Central Three-Dimensional Nephanalysis **Data** Base (3DNEPH) and the upper air Analysis **Data** Set for input. Output consists of percent frequency of occurrence of a liquid water content... ..was generated for three concentrations, three layers and for temperatures at or below freezing. This **data** was then manually converted into 117 monthly and annual **maps** showing percent frequency of occurrence for potential icing conditions.

Descriptors: *Ice formation; *Meteorological **data**; *Climate; Atmosphere models; Liquid phases; Water; Concentration(Composition); Meteorological **charts**; **Geographical** distribution; North america; Upper atmosphere; Cloud physics; Particle size; Atmospheric temperature; Freezing ; Aircraft; Low elevation; Layers; **Altitude**; Spatial distribution; Earth atmosphere; **Computerized** simulation; **Data** bases; **Maps**

20/3,K/9 (Item 5 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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Strategies for Associating Data and Location in a Geographic Information System

(Master's thesis)

Waiton, R. G.

Air Force Inst. of Tech., Wright-Patterson AFB, OH.

Corporate Source Codes: 000805000; 012200

Report Number: AFIT/CI/NR-85-78T

1985 120p

Language: English **Document Type:** Thesis

Journal Announcement: GRAI8524

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NTIS Prices: PC A06/MF A01

Strategies for Associating Data and Location in a Geographic Information System

Much of the existing work in the area of Geographic Information Systems (GIS) treats spatial objects, e.g. points, lines, and regions, as the primary entities of interest. In that approach, descriptive information is associated directly with each of these data items. This paper explores the feasibility of implementing an alternative design which uses Location Data Sets and Location Predicates as the basic entities managed by a Location Data Management System (LDMS). A major advantage of the proposed approach is its suitability for automatic enforcement of data consistency across multi-scale geographic entities. The central idea of the Location Data Set approach is that spatial data should be directly associated with locations rather than named regions or points. The relationships between geographic entities and data values may then be derived through the intermediate relationship of shared location. It is envisioned that each type of data which is distributive in nature would be stored in a separate set. Data values associated with conventional points, lines, and regions would then be merely restrictions on these global data sets. This is similar to the way in which the external views of a database represent a subsetting of the global data. The paper includes a survey of fifteen selected GIS implementations and existing work relevant to identified implementation obstacles. (Author)

Descriptors: *Data management; *Position(Location); Approach; Automatic; Consistency; Data bases; Geography; Global; Information systems; Sharing; Spatial distribution; Value; Maps; Computer applications

Identifiers: *Geographic information systems; *LDMS(Location Data Management Systems); *Location Data Management Systems; NTISDODXA

20/3,K/10 (Item 6 from file: 6) [Links](#)

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NTIS

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State Plane Coordinates by Automatic Data Processing

Claire, C. N.

Coast and Geodetic Survey, Rockville, Md.

Report Number: C/GS-PUB-62-4; NOAA-78011605

1973 74p

Journal Announcement: GRAI7807

Revision of report dated 1968.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A04/MF A01

State Plane Coordinates by Automatic Data Processing

This publication contains tables and formulas for computing state plane coordinates by electronic data processing equipment. There are four different types of projection used in the plane coordinate systems...
...the radii of the parallels for the Lambert projection and values of Y on the central meridian for the parallels on the transverse Mercator projection. These are tabulated at intervals of one minute of latitude. In Alaska, the published plane coordinates for 2 1/2-minute intersections of meridians and...

Descriptors: *Data processing; *Coordinates; *Map projection; Automation

20/3,K/11 (Item 7 from file: 6) [Links](#)

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NTIS

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E73-10347/XAB

Central Atlantic Regional Ecological Test Site (Carets): A Prototype Regional Environmental Information System

Alexander, R. H.

Geological Survey, Washington, D.C.

Corporate Source Codes: 152350

Report Number: NASA-CR-130806

1 Jan 73 60p

Journal Announcement: GRAI7310

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NTIS Prices: PC E03/MF A01

Central Atlantic Regional Ecological Test Site (Carets): A Prototype Regional Environmental Information System

...design for the USGS/CARETS demonstration project; (2) preparation of photo-mosaics and land use maps at a scale of 1:100,000 for entire area; (3) demonstration of the feasibility of extracting several categories of land use information from ERTS-1 MSS data for a portion of the CARETS region; (4) demonstration of the feasibility of detecting some... ..of the feasibility of attaching environmental impact significance to the remote sensor-derived land use data; (6) delivery of land use information derived from high altitude aircraft data to the Maryland state planning agency for use in its statewide land use inventory; (7... ..and services provided by investigation; and (8) determination of the viability of setting up a computerized geographic information system as part of the CARETS investigation, to facilitate handling of sensor-derived land use data in a variety of formats to suit user requirements.

Descriptors: Imagery; Mapping; Land use; Central Atlantic Region(US); Environment effects; Ecology; Earth resources program; Data bases; Information systems; Regional planning

20/3,K/12 (Item 8 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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N72-31378/XAB

The NASA ERTS System and Potential Coverage of Canada

Chipman, R. O.

Department of Energy, Mines and Resources, Ottawa (Ontario). Program Planning Office.

1971 . 6p

Journal Announcement: GRAI7302; STAR1022

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NTIS Prices: PC A02/MF A01

...The satellite will be placed in a circular, near polar sun-synchronous orbit at an **altitude** of 910 km and will carry four sensors, three return beam vidicon (RBV) cameras, identical... ..directly to a ground receiving station where it will be recorded and sent to a **central data** handling **center** to be transformed into hard copy (photography). Corrections to make the imagery conform geometrically with existing **maps** will then be made and the images, in color or black and white, will be sent directly to users or to specialized **data** interpretation **centres**. The satellite will also have the capability of relaying **data** from remote **automatic** ground platforms, such as stream or tide gauges, etc., to the receiving station on a...

20/3,K/13 (Item 1 from file: 50) [Links](#)

CAB ABSTRACTS

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0007421314 **CAB Accession Number:** 19971911206

Application of soil survey attribute data to GIS pollution assessment models.

Nielsen, R. D.; Bigler, R. J.; Sobecki, T.; Lytle, D. J.

National Soil Survey Centre, National Resources Conservation Service, Lincoln, Nebraska, USA.

Applications of **GIS** to the modeling of non-point source pollutants in the vadose zone.

Conference Title: Applications of GIS to the modeling of non-point source pollutants in the vadose zone.
p.175-183

Publication Year: 1996

Editors: Corwin, D. L.; Loague, K.

Publisher: Soil Science Society of America Inc. Madison , USA

ISBN: 0-89118-824-X

Language: English **Record Type:** Abstract

Document Type: Conference paper

Application of soil survey attribute data to GIS pollution assessment models.

Applications of GIS to the modeling of non-point source pollutants in the vadose zone.

The application of GIS to environmental modelling depends on the quality and availability of environmental data. Environmental data include soil and soil-landscape attributes such as organic matter content and percentage of slope, respectively. These data are available in hardcopy as soil survey reports or in the

following digital formats: SSURGO... .. pollutant transport or fate. The USDA-NRCS (Natural Resources Conservation Service)-NSSC (National Soil Survey Centre) is attacking this problem on two fronts. The first is the implementation of NASIS (National Soil Information System), which will improve delivery of soil and soil landscape-related data to the public and private sectors. NASIS will provide the users of GIS and other modelling techniques with primary soil data , such as transect and pedon observations. NASIS also will provide users with normalized primary soil survey data, such as aggregated field data , that are specific to the geographic extent of any given soil mapping unit within a soil survey area. The second is improving the compatibility between soil attribute data and computerized models. This issue is being addressed by making existing soil database attributes and structures available...

Identifiers: Applications of GIS to the modeling of non-point source pollutants in the vadose zone

20/3,K/14 (Item 2 from file: 50) [Links](#)

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CAB ABSTRACTS

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0006679777 CAB Accession Number: 19931977353

Nonpoint-pollution model sensitivity to grid-cell size.

Vieux, B. E.; Needham, S.

School of Civ. Engrg. and Envir. Sci., Univ. of Oklahoma, Norman, OK 73019, USA.

Journal of Water Resources Planning and Management vol. 119 (2): p.141-157

Publication Year: 1993

ISSN: 0733-9496

Language: English **Record Type:** Abstract

Document Type: Journal article

Nonpoint-pollution model sensitivity to grid-cell size.

... of chemicals, sediment, and nutrients that degrade water quality. Geographical information systems (GISs) are computer-automated, data management systems simplifying the input, organization, analysis, and mapping of spatial information. Because nonpoint-pollution models simulate distributed watershed basin processes, a heterogeneous and complex land surface must be divided into computational elements such as grid cells. Model parameters can be derived from each grid cell directly from maps using GIS . Cell size selection, if arbitrarily determined yields ambiguous if not erroneous results. This paper investigates... ..input parameters for the nonpoint-pollution model, Agricultural Nonpoint Source Pollution Model (AGNPS), using a GIS for a small research watershed in Minnesota, USA. As model grid-cell size increases, stream meanders are short-circuited. The shortened stream lengths caused modelled sediment...

Broader Terms: ...West North Central States of USA... ..North Central States of USA...

20/3,K/15 (Item 1 from file: 57) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Electronics & Communications Abstracts

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0000112491 IP Accession No: 2742317

GPS-based vessel tracking.

Swale, S L Trimble Navigation Ltd.

Sea Technology , v 32 , n 8 , p 60-63 , 1991

Publication Date: 1991

Publisher: COMPASS PUBLICATIONS, INC. , 1501 Wilson Blv, Ste 1001 , Arlington , VA , 22209

Country Of Publication: USA

Document Type: Journal Article

Record Type: Abstract

Language: English

ISSN: 0093-3651

File Segment: Electronics & Communications Abstracts

GPS-based vessel tracking.

Abstract:

High-accuracy global positioning system (GPS) equipment coupled with modern data communications and digital map displays offers an approach known as automated dependent surveillance (ADS) to enhance and extend vessel traffic services (VTS) coverage. GPS-based automated dependent surveillance and the more traditional radar-based independent surveillance systems complement each other as mutually reinforcing technologies for enhanced VTS coverage. A properly integrated GPS receiver can provide both vessel navigation for the crew and automatic position reporting for VTS applications. With self-correcting real-time differential GPS (DGPS), accuracies on the order of 5 meters are typically reported. The U.S. Coast Guard Research & Development Center in Groton, Connecticut, has found that real-time DGPS is so reliable that it is...

Descriptors: Navigation; Tracking; Communication systems; Technology; Position fixing; Global positioning system

Subj Catg: ...GPS)

20/3,K/16 (Item 1 from file: 87) [Links](#)

TULSA (Petroleum Abs)

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0001622657 **Petroleum Abstract No:** 668075

CHEVRON'S USE OF ESRI'S [ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE] SPATIAL DATABASE ENGINE (SDE) TO STORE SEISMIC LOCATIONS, WELLS, AND CULTURAL DATA

RATHBUN, M L; WALLY, W N

CHEVRON PETROL TECHNOL CO

5TH PENNWELL ET AL. GEOGR. INFORM. SYST. FOR THE OIL & GAS IND. INT. CONF. (Houston, 9/17-19/96) PROC. 1996. (8 pp)

1996

Language: ENGLISH

...ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE] SPATIAL DATABASE ENGINE (SDE) TO STORE SEISMIC LOCATIONS, WELLS, AND CULTURAL DATA

Major Descriptors: COMPUTER STORAGE; COMPUTERIZED MAPPING; DATA; DATA PROCESSING; DATA STORAGE; DATABASE; GEOGRAPHIC DATA; INFORMATION RETRIEVAL SYST; INFORMATION SERVICE; INFORMATION STORAGE; MAPPING

Minor Descriptors: ...CAPACITY; CHANGE; CHART; CHEVRON PETROL TECHNOL CO; COMPUTER GRAPHICS; COMPUTER NETWORK; COMPUTER PROGRAMING; CONTRACT;

CONTROL; DATA ACQUISITION; DATA IMPROVEMENT; DATA PRESENTATION; DATA RETRIEVAL SYSTEM; DESIGN; DESIGN CRITERIA; DETECTOR; ECONOMIC FACTOR; ENGINEERING; ENGLISH; ENVIRONMENTAL DATA; EVALUATION; FIELD DATA; FLOW CHART; GEOGRAPHY; GEOPHYSICAL DATA; GLOBAL POSITIONING SYSTEM; IMAGING; IMPROVEMENT; INSTRUMENT; INTERFACE; INTERNET; LEGAL CONSIDERATION; LICENSE; LOCATING; LOCATION; MAN MADE SATELLITE; MEETING... ..PERFORMANCE; PHYSICAL PROPERTY; PORTABILITY; PROGRAMING; PROTOTYPE; QUALITY CONTROL; REMOTE SENSING; REMOTE SENSOR; SCALE UP; SEISMIC DATA; SOFTWARE; SPECIFICATION; SUPPLEMENTAL TECHNOLOGY; SYSTEM (ASSEMBLAGE); TECHNOLOGY; WELL; WELL DATA

20/3,K/17 (Item 2 from file: 87) [Links](#)

TULSA (Petroleum Abs)

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0001546540 **Petroleum Abstract No: 591958**

INTEGRATION OF GEOLOGIC DATA AND HIGH RESOLUTION RUSSIAN SATELLITE PHOTOGRAPHY FOR GIS APPLICATIONS COVERING THE TIMAN PECHORA BASIN, RUSSIA

GRESHISHEV, A; LONGORIA, A; WALLACE, B; ZHIVICHIN, V

TOBIN INTERNATIONAL INC

10TH ENVIRON. RES. INST. MICH. GEOL. REMOTE SENSING THEMATIC CONF. (San Antonio, 5/9-12/94)

PROC. v.1, pp.1-474 - 1-479, 1994. (ISSN 1067-0106)

1994

ISSN: 10670106

Language: ENGLISH

INTEGRATION OF GEOLOGIC DATA AND HIGH RESOLUTION RUSSIAN SATELLITE PHOTOGRAPHY FOR GIS APPLICATIONS COVERING THE TIMAN PECHORA BASIN, RUSSIA

Major Descriptors: AERIAL PHOTOGRAPHY; DATA PROCESSING; EURASIA; EUROPE; GEOGRAPHIC INFORMATN SYST; GEOLOGIC DATA PROCESSING; INFORMATION SERVICE; PHOTOGRAPHY; REMOTE SENSING; TIMAN PECHORA AREA

Minor Descriptors: ACCURACY; AERIAL MAPPING; AERIAL SURVEY; CALIBRATION; CHANGE; COMPUTER; COMPUTER ASSISTED DESIGN; COMPUTER GRAPHICS; COMPUTERIZED MAPPING; CORRECTION; DATA; DATA ACQUISITION; DATA IMPROVEMENT; DATA PRESENTATION; DESIGN; DRAINAGE; DRAINAGE (SURFACE); ELEVATION; ELEVATION CORRECTION; ELEVATION SURVEYING; ENGINEERING; ENGLISH; GEOLOGIC MAPPING; GEOLOGY; GEOLOGY; GEOMORPHOLOGY; HEIGHT; HIGH ALTITUDE; HORIZONTAL SURVEYING; IMAGE ENHANCEMENT; IMAGING; IMPROVEMENT; INTERACTIVE INTERPRETATION; INTERPRETATION; LEAST SQUARES; LOCATING; MAN MADE SATELLITE; MAP; MAPPING; MATHEMATICAL ANALYSIS; MATHEMATICS; MEETING PAPER TEXT; MICROCOMPUTER; OIL AND GAS FIELDS; OIL AND GAS MAP; POSITIONING; REFERENCE DATUM; RESOLUTION; STANDARDIZATION; STATISTICAL ANALYSIS; STREAM PATTERN; SURFACE GEOLOGY; SURVEY (DATA); SURVEYING; TERRAIN CORRECTION; TOPOGRAPHIC MAPPING; TOPOGRAPHIC SURVEYING; TRIANGULATION; VECTOR ANALYSIS; WELL SURVEYING

20/3,K/18 (Item 3 from file: 87) [Links](#)

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0001391040 **Petroleum Abstract No:** 436458

**REMOVING TAG DISTORTIONS IN SINGLE PICTURE PROCESS - A FORTRAN PROGRAM
SYSTEM FOR SMALL COMPUTERS [ENTZERRUNG VON LUFTBILDERN IM EINBILDVERFAHREN
- EIN FORTRAN-PROGRAMMSYSTEM FUER KLEINE RECHENANLAGEN]**

LINDSTEDT, H J; ROGALLA, R

GEOL JAHRBUCH HESSEN NO 115, PP 395-403, 1987 (ISSN 03414027; 7 REFS; IN GERMAN)
1987

Language: GERMAN

**REMOVING TAG DISTORTIONS IN SINGLE PICTURE PROCESS - A FORTRAN PROGRAM
SYSTEM FOR SMALL COMPUTERS [ENTZERRUNG VON LUFTBILDERN...**

Primary Descriptor: GEOLOGIC DATA PROCESSING

Major Descriptors: AERIAL PHOTOGRAPHY; CODING; COMPUTER PROGRAM LANGUAGE;
COMPUTER PROGRAMING; DATA PROCESSING; GEOLOGIC INTERPRETATION; GEOLOGY;
INTERPRETATION; PHOTOGEOLOGY; PHOTOGRAPHY; PROGRAMING

Minor Descriptors: AERIAL MAP; AERIAL MAPPING; AERIAL PHOTOGRAPH; CHART;
COMPUTER; COMPUTER GRAPHICS; COMPUTERIZED MAPPING; DATA; DATA
PRESENTATION; DIAGRAM; EQUATION; GEOLOGIC DATA; GEOLOGIC STRUCTURE;
GEOLOGY; GERMAN; MAP; MAPPING; MATHEMATICAL GEOLOGY; MATHEMATICS;
MINICOMPUTER; ORIENTATION; PHOTOGRAPH; PROJECTION; REMOTE SENSING

20/3,K/19 (Item 4 from file: 87) [Links](#)

TULSA (Petroleum Abs)

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0001336575 **Petroleum Abstract No:** 381993

**CENTRAL AND EASTERN UNITED STATES - BASIC DATA FOR THERMAL SPRINGS AND WELLS
AS RECORDED IN GEOTHERM**

BLISS, J D

US GEOLOGICAL SURVEY

US GEOL SURV OPEN-FILE REP NO 83-440, 2 PL MICROFICHE (87 PP), JUNE 1983
1983

Language: ENGLISH

**CENTRAL AND EASTERN UNITED STATES - BASIC DATA FOR THERMAL SPRINGS AND WELLS
AS RECORDED IN GEOTHERM**

Major Descriptors: DATA; DATA RETRIEVAL SYSTEM; GEOPHYSICAL DATA; GEOTHERMAL
DATA; GEOTHERMAL WELL; INFORMATION SERVICE; MIDCONTINENT AREA; NORTH
AMERICA; SPRING (GEOLOGY); THERMAL SPRING; UNITED STATES; WELL

Minor Descriptors: ALTERNATIVE FUELS & ENERGY SOURCES; ALTERNATE ENERGY;
ANALYTICAL METHOD ; ARKANSAS; BIBLIOGRAPHY; CHEMISTRY; COMPUTER STORAGE;
DATA PROCESSING; DATA STORAGE; ENGLISH; GEOCHEMICAL DATA; GEORGIA;
GEOTHERMAL ENERGY; GOVERNMENT REPORT; HOT WATER; HYDROCHEMISTRY;
HYDROTHERMAL FLUID; INFORMATION RETRIEVAL SYST; INFORMATION STORAGE;
LATITUDE; LOCATION; LONGITUDE; MAP GRID SYSTEM; MAPPING^MAS; MASSACHUSETTS;
NEBRASKA; NEW YORK; NORTH CAROLINA; PENNSYLVANIA; POWER; SOUTH DAKOTA;
SUBSURFACE TEMPERATURE; TABLE (DATA); TEMPERATURE; TESTING; US GEOLOGICAL
SURVEY; VIRGINIA; WATER; WATER (SUBSURFACE); WATER ANALYSIS; WEST VIRGINIA;

WESTERN US

20/3,K/20 (Item 5 from file: 87) [Links](#)

TULSA (Petroleum Abs)

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0001154165 **Petroleum Abstract No:** 199583

THE INTERPRETATION AND USE OF FALSE-COLOUR INFRA-RED AND TRUE COLOUR PHOTOGRAPHY OF PART OF ARGENTINA OBTAINED BY SKYLARK EARTH RESOURCES ROCKETS

BRAY, C J; DRENNAN, D S H; GALLOWAY, I R; HARDY, J R; JUSTICE, C O; OWEN-JONES, E S; SAVIGEAR, R A G; TOWNSHEND, J R G

9TH INT MICH ENVIRON RES INST REMOTE SENSING OF ENVIRON SYMP PROC V 2, PP 1475-1496, 1974

1974

Language: ENGLISH

Major Descriptors: AERIAL PHOTOGRAPHY; COLOR; ELECTROMAGNETIC WAVE; GEOLOGIC MAPPING; INFRARED RADIATION; MAPPING; OPTICAL PROPERTY; PHOTOGRAPHY; PHYSICAL PROPERTY; WAVE

Minor Descriptors: ARGENTINA; BLOCK DIAGRAM; CHART; COST; DATA PROCESSING; DIAGRAM; ECONOMIC FACTOR; ENGLISH; FLORA; FLOW CHART; GEOLOGY; GEOLOGY; GEOMORPHOLOGY; MAN MADE SATELLITE; NATURAL...

20/3,K/21 (Item 1 from file: 99) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Wilson Appl. Sci & Tech Abs

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1260343 **H.W. Wilson Record Number:** BAST95056109

GIS: smart, very smart

Straate, Marc Ver ;

ENR v. 235 (Sept. 25 '95 supp) p. 6-7+

Document Type: Feature Article ISSN: 0891-9526

GIS: smart, very smart

Abstract: Geographic Information Systems (GIS) technology is generating considerable interest among transportation professionals. GIS is a computer-based software and data technology. It runs on desktop systems and larger computers and can integrate and display various types of information, such as a CAD map or a scanned aerial photograph. Transportation departments are beginning to realize the potential applications of GIS in enhancing efficiency in existing operations, in decision-support, and in adding intelligence to transportation planning, design, and management. Other applications of GIS include Intelligent Transportation System support, Intermodal Surface Transportation Efficiency Act business systems modeling, congestion management and traffic operations center support, Advanced Customer Information Systems, automated routing and permitting, and route analysis, mapping, and management.

20/3,K/22 (Item 1 from file: 105) [Links](#)

AESIS

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125502 AESIS Accession Number: 94-10151

SA_STRAT: Handbook Ver. 1: a users' guide to the South Australian stratigraphic names database and GIS search code and map symbol system.

Gatehouse, C G; Cowley, W M

South Australia. Department of Mines and Energy. Unpublished Report RB 94/013, April 1994 85 pages; 2 appx, 5 fig, 5 ref

Document Type: Reports, departmental unpublished

...STRAT: Handbook Ver. 1: a users' guide to the South Australian stratigraphic names database and GIS search code and map symbol system.

Abstract: ...STRAT is the Department's computerised data base of stratigraphic units and thus is central to other data bases such as those storing digital maps, drillhole data, rock sample information and field observations. Report describes the data fields used in SA... ...STRAT and the development of the GIS search code and map symbol coding system.

Descriptors: ...Data bases... ...Map legend

20/3,K/23 (Item 1 from file: 144) [Links](#)

Pascal

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13566838 PASCAL No.: 98-0268947

Assessment of ground water resources based on G. I. S. in **Central Greece**

Engineering Geology and the Environment
(La geologie de l'ingenieur et l'environnement)

MARINOS P G; PERLEROS V K; ALEXIADOU M H; PANAGOPOULOS A T;
VALADAKI-PLESSA K; PLESSAS S T

MARINOS Paul G, ed
National Technical University of Athens, Greece; Geoskopio Ltd, Athens, Greece; Ministry of Environment Physical planning and public works, Greece
National Technical University of Athens, Greece
International Association of Engineering Geology. Greek National Group, International.

International Symposium on Engineering Geology and the Environment (Athens GRC) 1997-06-03
1997, 2 1363-1370

Publisher: A.A. Balkema, Rotterdam
Language: English

Assessment of ground water resources based on G. I. S. in **Central** Greece

... of National Technical University at Athens (NTUA) for the development of a Geographical Information System (**GIS**) with the objective of recording, processing and analysing all the hydrogeological **data** in connection with the hydrological basins of **Central** Greece. The development of **GIS** allows a prompt and more accurate draw and management of the current hydrogeological **data** continuous updating of the Geographical database and the ability to process by **automatic** means all **data** and present them in master plan theme **maps**

20/3,K/24 (Item 2 from file: 144) **Links**

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13467562 PASCAL No.: 98-0164328

Integrated studies of Mexico with gravity, magnetic, and **GIS** database

Mexico and **Central** America

AIKEN Carlos L V; BALDE Mamadou; XU Xueming; ABDEL-SALAM Mohammed G; de LA FUENTE Auricio F; MENA Manuel

BERTAGNE Allen

University of Texas at Dallas, Dallas, TX, United States

Journal: Leading Edge (Tulsa, OK),

1997-12, 16 (12)

1779-1785

Language: English

Integrated studies of Mexico with gravity, magnetic, and **GIS** database

Mexico and **Central** America

English Descriptors: Bouguer anomalies; crust; **data** bases; gravity anomalies; gravity methods; information systems; magnetic methods; Mexico ; models; gravity surveys; tectonophysics; **automatic data** processing; **data** processing; geographic information systems; **Mapping**; -

20/3,K/25 (Item 3 from file: 144) [Links](#)

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13079088 PASCAL No.: 97-0370644

Baseflow **mapping** of the south-**central** and southeastern
United States using **GIS**

MUTTIAH Ranjan S; SRINIVASAN R; ALLEN Peter M; ARNOLD Jeffrey

G Texas A&M University System, Temple, TX, United States

1995 ASA-CSSA-SSSA Bouyoucos conference (Riverside, CA USA) 1995-05-01

Journal: SSSA Spec. Publ., 1996

, 48 247-257

Language: English

Baseflow **mapping** of the south-**central** and southeastern
United States using **GIS**

English Descriptors: aquifers; fluid dynamics; information systems; land
use; pollutants; pollution; three-dimensional models; unsaturated zone;
hydrogeology; **automatic data** processing; environmental
geology; Aquifer vulnerability; DRASTIC; geographic information systems;
nonpoint sources; sensitivity analysis; shallow aquifers

20/3,K/26 (Item 4 from file: 144) [Links](#)

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12686609 PASCAL No.: 96-0387694

Thematic **mapping**, **data mapping**, and **geocoding**
techniques for analyzing library and information **center data**

CLARK P M

St. John's University, Division of Library and Information Science,
Jamaica, New York, United States

Association for Library and Information Science Education, State College,

PA 16803, United States.

Association for Library and Information Science Education ALISE. Annual Conference (Philadelphia, Pennsylvania USA) 1995-01-31

Journal: Journal of education for library and information science, 1995, 36

(4) 330-341

Language: English

Thematic **mapping**, **data mapping**, and **geocoding** techniques for analyzing library and information **center data** Methodologies based on **computerized** geographical **information** systems (**GIS**) are appearing with regularity in the library and information science literature and conference proceedings. This article illustrates and discusses several specific **GIS** techniques available to LIS researchers, administrators, planners, and instructors. These techniques include thematic **mapping** (shading, coloring, or using various sized symbols to indicate amount and type), **data maps** (positioning actual **data** on **maps** rather than on tables), and **geocoding** (positioning addresses obtained from various reference sources to specific points on a **map**). **Maps** are used to illustrate the techniques recommended for more widespread use among library and information...

English Descriptors: Librarianship; Library; Management; Planning; Tool; Computer aid; Cartographic representation; **Data** processing; Software; Example; Geographic information system

20/3,K/27 (Item 1 from file: 266) **Links**

FEDRIP

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00531392

Identifying No.: 0197609 **Agency Code:** AGRIC

Advancing Precision Agricultural Systems Through Automation, Sensing, Control, and Information Systems

integrated pest management

Associate Investigators: Pierce, F. J.; Perry, E. M.; Brunner, J.; Clary, C.; Davenport, J. R.; Grove, G. G.; Jones, V. P.; Stevens, R. G.; Pitts, M.; Tarara, J.; Whiting, M.

Performing Org.: WASHINGTON STATE UNIVERSITY, CENTER FOR PRECISION AGRIC SYSTEM, PULLMAN, WASHINGTON 99164

Performing Org.: ...CENTER FOR PRECISION AGRIC SYSTEM

Summary: ...objectives of this research: 1) Develop and exploit enabling technologies for remotely gathering real-time **data** on growing conditions, crop status, and field operations in regional or localized sensor networks; 2...

...1) efficacy and efficiency of application of crop protection chemicals and bioregulators, (2) algorithms that **guide** automated variable input application, (3) impact of autonomous sprayers on environmental quality, and (4) worker...
...for automated sensing, we will also develop and evaluate on-board sensors for real-time **mapping** of plant and soil conditions in association with Objective 1. The **data** logger/telemetry systems developed under Objective 1 will be further developed so that they can... systems and wind machines. For objective 3; we will develop software needed to integrate the **data** streams generated from the **data** networks and **automated** systems. The **data** will be diverse in nature, representing both spatial and temporal ranges. For a given technology... be developed by working with industry to understand real world applications. To support the spatial **data** analysis needed for research, we will assemble a collection of commercial software for

image processing, **GIS**, and geostatistical analysis including a library of spatial **data** including satellite and airborne imagery over research areas. Other spatial **data** will be assembled such as digital elevation models (DEMs), field and sample georeferencing, soils **data**, and crop inventories. The implementation approach is to build on existing research programs, and form... faculty representing many disciplines including plant pathology, soil fertility, plant/water relations, statistics, remote sensing/**GIS**, and micrometeorology. PR received permanent operations funding from the Washington

Descriptors: sensors; telemetry; control systems; monitoring systems; robotics; automation; remote sensing; information systems; networks; modeling; **mapping**; weather; environment; computers; irrigation; water management; pest management; frost protection; precision farming; agricultural engineering; real...

20/3,K/28 (Item 2 from file: 266) [Links](#)

FEDRIP

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00530896

Identifying No.: 0197085 **Agency Code:** AGRIC

Develop methods for sampling and integrating inventory data with remotely sensed and other spatial information.

automated data extraction |x nomatch

Associate Investigators: Wilson, M. J.; Moisen, G. G.; Frescino, T. S.; Blackard, J. A.; Patterson, P. L.; Williams, M. S.

Performing Org.: ROCKY MOUNTAIN RESEARCH STATION, RMRS FORESTRY SCIENCES LAB, OGDEN UT, FORT COLLINS, COLORADO 80526-2098

Develop methods for sampling and integrating inventory data with remotely sensed and other spatial information.

Summary: There is a need to develop innovative methods for sampling and integrating inventory data with remotely sensed information to improve the quality and efficiency of inventory analysis and reporting...
...improve the efficiency of our annual inventory products, and expand our product line to include maps and dynamic analyses. Over the next 5 years, studies under this problem will result in... resource inventory design and measurements; more

efficient means to quantify population totals within an annual data collection system; new FIA map products of known quality and utility; and automated data extraction, visualization, and analysis capabilities. PR analyses, and improve the efficiency of our annual inventory products, based on our research in the fields of remote sensing, **GIS** and applied statistics. Publications this year advance vegetation mapping techniques in support of nationwide mapping efforts. Other projects involve the use of FIA-derived maps for wildlife habitat modeling, small area estimation in forests affected by wildfire, theoretical frameworks for confidence intervals, and extensions to the

use of large-scale GPS controlled aerial photos for improving efficiency in data collection techniques. Also addressed were perpendicular sampling methods, sampling and analysis methods for coarse woody debris, and adoption of moderate resolution maps into traditional forest inventory reporting. Work is being conducted with the Remote Sensing Applications Center to complete moderate resolution maps of forest attributes nationwide, improve inventory efficiency with large-scale aerial photography, and deliver web... areas. Research with Utah State University is on going to test utility of FIA-generated maps for wildlife habitat

applications. Nonparametric model-assisted survey estimation techniques are being expanded to maximize information from ancillary remotely-sensed data through collaborative research with Colorado State University and Iowa State University. Work is also continuing... and regional scales. Cooperative efforts continue with the LANDFIRE project in Missoula and the EROS data Center to map forest cover type and fire risk regionally and nationally. Collaborative work is underway with NASA...

Progress Report Summary: ...November 19-21, 2002). NC-GTR-252. U.S.Department of Agriculture, Forest Service, North Central ResearchStation, St. Paul, MN. p 209-214.EDWARDS, T. C., JR.; MOISEN, G. G.; FRESCINO, T. S.; and SCHULTZ, R.J., JR. 2005. Application of FIA-based data to wildlife habitat modeling: a comparative study. In R. E. McRoberts et al., editors.Proceedings... November 19-21, 2002). NC-GTR-252. U.S.Department of Agriculture, Forest Service, North Central ResearchStation, St. Paul, MN. p 7-10.FRESCINO, T. S. AND MOISEN, G. G. 2005. Predictive mapping of forestattributes on the Fishlake National Forest. In R. E. McRoberts et al.,editors. Proceedings... November 19-21, 2002). NC-GTR-252. U.S. Department of Agriculture, Forest Service, North Central ResearchStation, St. Paul, MN. p 215-221.JOHNSON, D. S. and WILLIAMS, M. S. 2004... Interior West. Proceedings ofthe USFS Remote Sensing Conference, 2004, CD-ROM.

MOISEN, G. G. 2005. Mapping forest attributes in the Interior West:comparing predictive modeling tools. Presentation in: M. Mardsden, M.Downing, and M. Rifle, compilers, Workshop Proceedings: QuantitativeTechniques for Deriving National Scale Data, FHTET-2005-12, Sept. 2005,101-118, with cd-rom.PATTERSON, P.L.; HANNIG, J ... Orleans, LA (November19-21, 2002). NC-GTR-252. U.S. Department of Agriculture, ForestService, North Central Research Station, St. Paul, MN. p 241-247.TERLETSKI, P. AND FRESCINO, T. S. 2005... November 19-21,2002). NC-GTR-252. U.S. Department of Agriculture, Forest Service,North Central Research Station, St. Paul, MN. p 249-252. Descriptors: forest attribute maps |... x nomatch; spatial data |... x nomatch; remote sensing; gis |... x nomatch; automated data extraction

20/3,K/29 (Item 3 from file: 266) [Links](#)

FEDRIP

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00526711

Identifying No.: 0191941 Agency Code: AGRIC

Precision Agriculture, Tennessee Valley Research and Extension Center, Alabama

information dissemination

Associate Investigators: Mask, P. L.; Shaw, J. N.; Taylor, S. E.; Reeves, D. W.; Wersinger, J. M.; Rickman, D.; Luvall, J. C.; Grift, T. E.; Norris, B. E.; Burmester, C. H.; Norwood, S. H.; Hall, M.

Performing Org.: AUBURN UNIVERSITY, AGRONOMY & SOILS , AUBURN , ALABAMA 36849

Precision Agriculture, Tennessee Valley Research and Extension Center, Alabama

Summary: ...on various innovative aspects of agriculture in this region. The Tennessee Valley Research and Extension Center (TVS), located near Belle Mina, AL, is the hub of cotton research conducted by Auburn...

...of the space industry offer potential solutions to agricultural problems. For example, geospatial technologies, including global positioning systems (GPS), geographic

information systems (GIS), and remote sensing (RS), have already been shown to have widespread application in agriculture. These technologies are used in crop yield mapping, weed control, the variable rate application of lime, fertilizers, pesticides, and water. Although research has... ...crops such as cotton are needed. Experiment 1) Correlation of soil test values, electrical conductivity mapping, and soil maps with cotton yield data. Development of agronomic management zones for precision agriculture. Experiment 2) (continuation of 2001 experiment) Evaluation... ...designed to evaluate the interactive effects of tillage systems and irrigation on cotton productivity. Main plots [Tillage Systems] 1. Conventional tillage without paratilling 2. Conventional tillage with paratilling 3. No-tillage... ...gpm Experiment 3) Evaluate the utility of depicting cotton moisture status/stress using remote sensing data and thermometry. Experiment 4) Evaluate the inherent productivity of soils

for more efficient allocation of soil nutrients. For this experiment, we will evaluate yield data (corn, wheat and soybean) collected for several common soils of the region. Experiment 5) Development of automated data acquisition system to monitor machine performance. An automated data acquisition system (DAS) will be assembled and installed on different tractors and cotton harvesters at Belle Mina or at a private farm Experiment 6) Utilization of automated data accession system to determine relationships between machine performance and soil physical conditions. At the completion... ...in each of the four fields described in Experiment 1, the machine performance and

location data will be compiled and used to develop maps similar to yield maps. Also, each of the machine performance parameters will be compared with the soil data collected in Experiment 1. 7) Extension Component A precision agriculture website will be established to... ...program. A field day will also be conducted at the Tennessee Valley Research and Extension Center to increase awareness of precision agriculture in the agricultural community. Dr. Mask will also utilize... ...variable 5-ha site.

Fuzzy k-means clustering of terrain, remote sensing and electrical conductivity data was used to develop zones to compare to soil survey map units. Significant differences in seed cotton yield existed between the drier 2001 and 2002 versus...

Progress Report Summary: Adrian, A.M., C. Dillard, and P.L. Mask. 2004. GIS in Agriculture. p.Sullivan, D.G., J.N. Shaw, P.L. Mask, D. Rickman, J.Luvall and J.M.324-342. In J. Pick (ed.) GIS in Business. Idea Group, Inc. Hershey, Wersinger. 2000. High resolution remote sensing for evaluation ofD. Rickman, E. A. Guertal, J.Luvall, and J. M. Wersinger. 2004. Evaluation of Multispectral Data for Rapid Assessment of Wheat Straw Residue Cover. Soil Sci. Soc. Am. J.68: 2007-2013... ...Luvall, and J.M.Wersinger. 2004. Evaluating Corn (Zea Mays L.) N Variability Via RemoteSensed Data. Commun. Soil Sci. Plant Anal. 35(17/18) :2465-2483.

Thompson, A.N., J.N...

Descriptors: ...relations; crop production; production systems; agricultural engineering ; corn; wheat; cotton; fertilizers; sustainable agriculture; systems development; global positioning system; geographic information systems; soil properties; soil testing; mapping; electrical conductivity; crop yields; irrigation; soil moisture; crop productivity; non tillage; cover crops; data acquisition; data analysis; automation; information dissemination

20/3,K/30 (Item 1 from file: 583) [Links](#)

Gale Group Globalbase(TM)

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02916380

INTERGRAPH DEVELOPS COMPUTERISED MAPPING SYSTEM

US - INTERGRAPH DEVELOPS COMPUTERISED MAPPING SYSTEM

Automotive Electronics News (AEN) 28 August 1989 p21

INTERGRAPH DEVELOPS COMPUTERISED MAPPING SYSTEM

US - INTERGRAPH DEVELOPS COMPUTERISED MAPPING SYSTEM

Intergraph (Huntsville, US) has designed a computer-assisted, graphics-oriented, mapping/dispatching (CADMAP) system specifically for fleet managers and trucking companies. It will be marketed first to public safety organisations for dispatch centres for the 911 emergency no., then expanded to cover trucking, service and delivery vehicle fleets... ...1989, with fully certified software released in April 1990. In conjunction with geographic information systems (GIS), CADMAP can capture, manage, display and analyse spatial data which it communicates in both alphanumeric and graphic form, superseding the alphanumeric-based CAD. CADMAP could, for example, display on a graphics workstation screen a map of the service area and icons indicating vehicle locations and find the quickest or shortest way to a location. Intergraph also plans to develop an interface to an automated vehicle location system to track moving vehicles and a mobile data terminal interface to enable dispatchers to add to voice commands digital transmissions to an in...

26/3,K/1 (Item 1 from file: 144) [Links](#)

Pascal

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15529400 PASCAL No.: 02-0227106

Automatic fusion of freehand endoscopic brain images to three-dimensional surfaces: Creating stereoscopic panoramas

DEY Damini; GOBBI David G; SLOMKA Piotr J; SURRY Kathleen J M;
PETERS Terence M

Imaging Research Laboratories, John P. Robarts Research Institute,
London, ON N6A 5K8, Canada; Department of Diagnostic Radiology and Nuclear
Medicine, London Health Sciences Center, London, ON N6A 5K8, Canada;
Imaging Research Laboratories, John P. Robarts Research Institute,
University of Western Ontario, 100 Perth Drive, London, ON N6A 5K8, Canada

Journal: IEEE transactions on medical imaging,
2002, 21 (1)
23-30

Language: English

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... of the phantom (physical space) and CT images (preoperative image space) was accomplished using fiducial **markers** that could be identified both on the phantom and within the images. The endoscopic images were corrected for radial lens distortion and then **mapped** onto the extracted surfaces via a two-dimensional 2-D to 3-D **mapping** algorithm. The optical tracker has an accuracy of about 0.3 mm at its

centroid , which allows the endoscope tip to be localized to within 1.0 mm. The **mapping** operation allows multiple endoscopic images to be "painted" onto the 3-D brain surfaces, as...

English Descriptors: Endoscopy; Brain (vertebrata); Test **object**;
Computerized axial tomography; Associated technique; Image processing; Melting; 3D imaging; Polygonal shape; Digital image; Information extraction...

28/3,K/1 (Item 1 from file: 144) **Links**

Pascal

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14273370 PASCAL No.: 99-0477856

3D grand tour for multidimensional data and clusters

IDA-99 : advances in intelligent data analysis : Amsterdam, 9-11 August 1999

LI YANG

HAND David J, ed; KOK Joost N, ed; BERTHOLD Michael R, ed

Institute of High Performance Computing, National University of Singapore, 89 Science Park Drive, #01-05/08 The Rutherford, Singapore 118261, Singapore

Advances in intelligent data analysis. International symposium, 3 (Amsterdam NLD). 1999-08-09

Journal: Lecture notes in computer science,
1999, 1642 173-184

Language: English

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... points, interactive picking and drill down, and cluster similarity graphs, help further the understanding of **data**. A CAVE **virtual** reality environment is at our disposal for 3D immersive display. This approach of multidimensional visualization...

Subject Search: Non Patent literature full text #1
09/439550

Set	Items	Description
S1	3015022	S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?)(2N)(CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)
S2	15370	S S1 (3N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)() (BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANIZED()COLLECTION? ? OR RELATED OR INTERRELATED)(2N)(FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT)(2N)STORAGE OR KNOWLEDGEBASE? ?)
S3	465966	S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?)()LOCAT??? OR GLONASS OR POSITION() (DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN GEOGRAPHICAL()INFORMATION()SYSTEM
S4	3196188	S CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE? ? OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?
S5	8794459	S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERIZATION? ? OR DATA
S6	120569	S (VIRTUAL OR AUTOMAT?? OR COMPUTERIZED OR INTELLIGENT)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)
S7	96204	S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?)(2N)(RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)
S8	112818	S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?)(3N)(INPUT? OR (IN()PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)
S9	228480	S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOR? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?)(3N)(MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S10	746703	S S4 AND S5
S11	1019	S S2(10N)S10
S12	111	S S11(S)S3
S13	5	S S12(S)S6
S14	1	S S13 NOT PY>1999
S15	81867	S S1(S)S3
S16	6362	S S15(S)S4
S17	3676	S S16(S)S5
S18	60	S S17(S)S6
S19	1	S S18(S)S7
S20	1	S S19 NOT PY>1999
S21	1	S S20 NOT S14
S22	4	S S18(S)S8
S23	0	S S22(S)S9
S24	9	S S18(S)S9
S25	6	S S24 NOT PY>1999
S26	5	RD (unique items)
S27	0	S ((GEOCOD? OR GEO()CODE)(S)(CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER)) (S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?)) (S)((MAP OR MAPS OR MAPP? OR CARTOGRAPH? OR GEOGRAPH? OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)(5N)(CHART? ? OR GRID? ? OR MARKER? ? OR MARK? ? OR GUIDE? ?)(2N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ?))
S28	8	S (CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER)(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))
S29	4	S S28 NOT PY>1999
S30	4	RD (unique items)

; show files

[File 2] INSPEC 1898-2007/Jun W1

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[File 8] **Ei Compendex(R)** 1884-2007/Jun W1

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[File 23] **CSA Technology Research Database** 1963-2007/May

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[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Jun W2

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[File 95] **TEME-Technology & Management** 1989-2007/Jun W2

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[File 484] **Periodical Abs Plustext** 1986-2007/Jun W2

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14/3,K/1 (Item 1 from file: 484) **Links**

Periodical Abs Plustext

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02370509 (USE FORMAT 7 OR 9 FOR FULLTEXT)

"We know who you are and we know where you live": The instrumental rationality of geodemographic systems

Goss, Jon

Economic Geography (PECG) , v71 n2 , p 171-198

Apr 1995

ISSN: 0013-0095 **Journal Code:** PECG

Document Type: Feature

Language: English **Record Type:** Fulltext; Abstract

Word Count: 14416 **Length:** Long (31+ col inches)

Text:

...by the Census Bureau and the Geological Survey for the 1990 census. It is a **computerized map data base** for the United States that provides the coordinates and common names of line features, landmarks...

...It is used to identify and allocate addresses to census units and with a compatible **GIS** may be used to generate thematic maps of census data.

6. For example, in Britain...

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21/3,K/1 (Item 1 from file: 2) [Links](#)

INSPEC

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06044909 **INSPEC Abstract Number:** C9510-7190-025

Title: Forest fire fuel type mapping using GIS and remote sensing in British Columbia

Author Hawkes, B.; Niemann, O.; Goodenough, D.; Lawson, B.; Thomson, A.; Sahle, W. ; Fuglem, P.; Beck, J.; Bell, B.; Symington, P.

Author Affiliation: Pacific Forestry Centre, Canadian Forest Service, Victoria, BC, Canada

Conference Title: Ninth Annual Symposium on Geographic Information Systems in Natural Resources Management. Symposium Proceedings **Part** vol.2 p. 647-56 vol.2

Publisher: GIS World , Fort Collins, CO, USA

Publication Date: 1995 **Country of Publication:** USA 2 vol.1015 pp.

Conference Title: Proceedings Ninth Annual Symposium on Geographic Information Systems

Conference Date: 27-30 March 1995 **Conference Location:** Vancouver, BC, Canada

Language: English

Subfile: C

Copyright 1995, IEE

Abstract: Preliminary results of two multiagency projects to **map** fuel types using geographic information systems (GIS) and forest inventory **data** in British Columbia (BC) are reported. A multiphase project in the Victoria watershed is associated with a larger project at Pacific Forestry Centre called SEIDAM (System of Experts for **Intelligent Data** Management) led by Dr. David Goodenough. Phase one of this project to characterize forest and...
...applied at the polygon level. Fuel types are also being classified on a 2 by 2 km **grid** basis for 7000 (1:20000) **map** sheets covering most of BC by the BC Ministry of Forests Protection Branch using the fuel type algorithm. The resulting fuel type **maps** will be used in the advanced fire management decision support system (Windows based) as one **data** layer required to predict fire behavior and displayed directly to illustrate fuel types spatially for...

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26/3,K/1 (Item 1 from file: 2) [Links](#)

INSPEC

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07258336 **INSPEC Abstract Number:** B1999-07-6250G-004, C1999-07-7340-013

Title: Integration of GPS, GIS and Windows technology for water quality study in North Alabama

Author Guchuan Liu; Coleman, T.L.; Tadesse, W.

Author Affiliation: Center for Hydrology, Soil Climatology & Remote Sensing, Alabama A&M Univ., Normal, AL, USA

Conference Title: GIS/LIS'96 Annual Conference and Exposition Proceedings p. 22-9

Publisher: American Society for Photogrammetry & Remote Sensing, Bethesda, MD, USA

Publication Date: 1996 **Country of Publication:** USA xv+1284 pp.

Material Identity Number: XX-1996-03162

Conference Title: Proceedings of Geographic Information Systems/Land Information Systems

Conference Sponsor: American Congress on Surveying & Mapping; American Soc. for Photogrammetry & Remote Sensing; AM/FM Int.; Assoc. of American Geographers; Urban & Regional Inf. Syst. Assoc.; American Public Works Assoc

Conference Date: 19-21 Nov. 1996 **Conference Location:** Denver, CO, USA

Language: English

Subfile: B C

Copyright 1999, IEE

Abstract: The Center for Hydrology, Soil Climatology, and Remote Sensing (HSCaRS) at Alabama A&M University has conducted... regards to agrochemicals in four counties in north Alabama (USA). In this project, the latest **GPS** and desktop **GIS**, as well as Windows technology have been employed for locating, **mapping** the sample sites, and presenting the results interactively using desktops. A Motorola **GPS** system provided by GeoResearch Inc., ArcView 2.1 and MapObjects from ESRI, and Visual Basic 4.0 from Microsoft were used. The **GPS** system includes two precision 8 channel **GPS** receivers with carrier phase measurement capability. With two **GPS** receivers, post-differential correction was performed over all **GPS** field **data** to ensure accuracy. The initial **GPS** files were exported into text files and translated into ArcView shape files. Within the ArcView environment, a geo-database, which contained shape files for all **GPS** points and base **maps** for the four counties, was built. Thematic **mapping** was performed by using attributes of water quality and hard-copy **maps** were **generated**. Furthermore, an easy to use **GIS** program was developed with VB 4.0 and MapObjects. With this program, one could display and search sample sites and their water quality interactively. The integration of **GPS**, **GIS**, and Windows technology in this project was successful. Enormous man power was saved by establishing **automatic** procedures for **data** capture, **data** conversion, and **map** manipulation.

26/3,K/2 (Item 2 from file: 2) [Links](#)

INSPEC

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05852835 **INSPEC Abstract Number:** B9502-6330-007

Title: A feasibility study of the automatic vehicle location system in Hong Kong

Author Yat Man Choi; Man Yat Leung; Lee, W.C.; Hau, S.

Author Affiliation: Dept. of Electron. Eng., City Polytech. of Hong Kong, Kowloon, Hong Kong

Conference Title: Third International Symposium on Consumer Electronics **Part** vol.2 p. 294-9 vol.2

Publisher: IEE, Hong Kong

Publication Date: 1994 **Country of Publication:** Hong Kong 2 vol. xv+545 pp.

ISBN: 962 442 062 9

Conference Title: Third International Symposium on Consumer Electronics

Conference Sponsor: Hitachi; Epson Found.; Siemens Components; Ind. Technol. Res. Inst.; Toshiba Electron.; Hong Kong Ind. Technol. Centre

Conference Date: 14-16 Nov. 1994 **Conference Location:** Hong Kong

Language: English

Subfile: B

Copyright 1995, IEE

Abstract: The **components** of our **Automatic Vehicle Location (AVL)** System consists of the following system moduli: (A) **Global Position System (GPS)** receiver - for the **GPS position data**; (B) Trunked Radio System-a communication system to send back the **GPS data**; (C) **Mapping System**-to **display** mobile **position data** on the screen; and (D) Interfacing the system between the **GPS** and the trunked mobiles-to send the **GPS data** to the trunked mobile and the handling of the trunked radio calls automatically. This paper... ..brief description of the above systems as applied to the AVL System. The field trial **data** showed that the AVL system is feasible in Hong Kong. The combination of the **GPS** and Dead Reckoning (DR) **data** gave the average position accuracy of 23.2 meters which is quite acceptable for the AVL type of service. The **GPS** alone shows the position accuracy of about 42 meters which is still acceptable for such... ..information, especially in the urban building canyon areas. With the help of the DR, the **position information** that is sent back to the control **center** by means of the trunked radio system is available from the vehicle virtually at all...

26/3,K/3 (Item 1 from file: 8) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)
Ei Compendex(R)

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06477714 **E.I. Monthly No:** EI9209121238

Title: **Environmental display manager: a tool for water quality data integration.**

Author: Samuels, William, B.; Taylor, Phillip, L.; Evenhouse, Paul, B.; Bondelid, Timothy, R.; Eggers, Paul, C.; Hanson, Sue, A.

Corporate Source: Science Applications Intl Corp, McLean, VA, USA

Source: Water Resources Bulletin v 27 n 6 Nov-Dec 1991 p 939-956

Publication Year: 1991

CODEN: WARBAQ **ISSN:** 0043-1370

Language: English

Abstract: ...a development system on an IBM 3090 mainframe at the U.S. EPA National Computer **Center** in Research Triangle Park, North Carolina. EDM provides **mapping, display**, analysis support, and information management capabilities to workstations located across the United States, and connected... ..state, academic, and private communications networks. Through interactive software, EDM can quickly support analyses, create **maps** and graphics, and **generate** reports that integrate millions of pieces of environmental **data**. The concept of EDM is to provide easy access to environmental **information**, to provide **automated** environmental analyses and reports, and then to provide **data**, graphics, images, text, and documents that can be used by numerous output devices, software packages, and computers. The **mapping** component works with an electronic version of the 54,000 7.5 minute quad sheets of the U.S. Geological Survey. The software also works with a hydrographic **data** base of the surface waters of the United States. With the **maps**, a user can look at the rivers in any state, can zoom in on adownstream components, and linkage of environmental features associated with surface waters. Alternatively, users can query **data** based on **latitude/longitude**, city name, EPA permit number, state agency and station code, river name or number, and river cataloging unit. The **maps** can be overlaid with roads and environmental sites such as: municipal and industrial dischargers, Superfund...

26/3,K/4 (Item 1 from file: 23) [Links](#)

CSA Technology Research Database

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0004801000 IP Accession No: N03-12916

Mapping Van

Book Title: Mapping Van

Publication Date: 1994

Document Type: Monograph

Record Type: Abstract

Language: English

File Segment: Aerospace & High Technology

Abstract:

A NASA **Center** for the Commercial Development of Space (CCDS) - **developed** system for satellite **mapping** has been commercialized for the first time. Global Visions, Inc. **maps** an area while driving along a road in a sophisticated **mapping** van equipped with satellite signal receivers, video cameras and computer systems for collecting and storing **mapping data**. **Data** is fed into a **computerized** geographic **information** system (**GIS**). The resulting **amps** can be used for tax assessment purposes, emergency dispatch vehicles and fleet...

26/3,K/5 (Item 2 from file: 23) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

CSA Technology Research Database

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0004105321 IP Accession No: 2742317

GPS-based vessel tracking.

Swale, S L Trimble Navigation Ltd.

Sea Technology , v 32 , n 8 , p 60-63 , 1991

Publication Date: 1991

Publisher: COMPASS PUBLICATIONS, INC. , 1501 Wilson Blv, Ste 1001 , Arlington , VA , 22209

Country Of Publication: USA

Document Type: Journal Article

Record Type: Abstract

Language: English

ISSN: 0093-3651

File Segment: Electronics & Communications Abstracts

Abstract:

High-accuracy **global positioning** system (**GPS**) equipment coupled with modern **data** communications and digital **map displays** offers an approach known as automated dependent surveillance (ADS) to enhance and extend vessel traffic services (VTS) coverage. **GPS-based** automated dependent surveillance and the more traditional radar-based independent surveillance systems complement each other as mutually reinforcing technologies for enhanced VTS coverage. A properly integrated **GPS** receiver can provide both vessel navigation for the crew and **automatic position** reporting for VTS applications. With self-correcting real-time differential **GPS** (DGPS), accuracies on the order of 5 meters are typically reported. The U.S. Coast Guard Research & Development **Center** in Groton,

Connecticut, has found that real-time DGPS is so reliable that it is...

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30/3,K/1 (Item 1 from file: 2) [Links](#)

INSPEC

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07519945 **INSPEC Abstract Number:** C2000-04-6130B-029

Title: 3D grand tour for multidimensional data and clusters

Author Li Yang

Author Affiliation: Inst. of High Performance Comput., Nat. Univ. of Singapore, Singapore

Conference Title: Advances in Intelligent Data Analysis. Third International Symposium, IDA-99. Proceedings (Lecture Notes in Computer Science Vol.1642) p. 173-84

Editor(s): Hand, D.J.; Kok, J.N.; Berthold, M.R.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1999 **Country of Publication:** Germany xii+538 pp.

ISBN: 3 540 66332 0 **Material Identity Number:** XX-1999-01644

Conference Title: Proceedings of IDA 99 - 3rd International Symposium on Intelligent Data Analysis

Conference Date: 9-11 Aug. 1999 **Conference Location:** Amsterdam, Netherlands

Language: English

Subfile: C

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Abstract: ...subspaces. 3D cluster-guided tour is proposed where sequences of projections are determined by cluster centroids. Cluster-guided tour makes inter-cluster distance-preserving projections under which clusters are displayed as... points, interactive picking and drill down, and cluster similarity graphs, help further the understanding of data. A CAVE virtual reality environment is at our disposal for 3D immersive display. This approach of multidimensional visualization...

30/3,K/2 (Item 2 from file: 2) [Links](#)

Fulltext available through: [ScienceDirect](#)

INSPEC

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06909053 **INSPEC Abstract Number:** C9806-7210-028

Title: Cross-searching subject gateways. The query routing and forward knowledge approach

Author Kirriemuir, J.; Brickley, D.; Welsh, S.; Knight, J.; Hamilton, M.

Author Affiliation: Inst. for Learning & Res. Technol., Bristol Univ., UK

URL: <http://www.dlib.org/dlib/january98/01kirriemuir.html>

Journal: D-Lib Magazine

Publication URL: <http://mirrored.ukoln.ac.uk/lis-journals/dlib/>

Publisher: Corporation for National Research Initiatives,

Publication Date: Jan. 1998 **Country of Publication:** USA

ISSN: 1082-9873

Material Identity Number: G467-98012

Language: English

Subfile: C

Copyright 1998, IEE

Abstract: ...are also known as subject based information gateways (SBIGs), subject based gateways, subject index gateways, **virtual** libraries: clearing **houses**, subject trees, pathfinders and other variations thereof. The paper describes the characteristics of some of... ..them to automatic "vacuum cleaner" type search engines, such as AltaVista. The application of WHOIS++, **centroids**, query routing, and forward knowledge to searching several of these subject gateways simultaneously is outlined...

30/3,K/3 (Item 1 from file: 34) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)
SciSearch(R) Cited Ref Sci

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08847254 **Genuine Article#:** BQ39R **No. References:** 16

3D grand tour for multidimensional data and clusters

Author: Yang L (REPRINT)

Corporate Source: NATL UNIV SINGAPORE, INST HIGH PERFORMANCE, 89 SCI PK DR, 01-05-08 THE RUTHERFORD/SINGAPORE 118261//SINGAPORE/ (REPRINT)
, 1999 , V 1642 , P 173-184

ISSN: 0302-9743 **Publication date:** 19990000

Publisher: SPRINGER-VERLAG BERLIN , HEIDELBERGER PLATZ 3, D-14197 BERLIN,
GERMANY LECTURE NOTES IN COMPUTER SCIENCE

Series: LECTURE NOTES IN COMPUTER SCIENCE

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

Abstract: ...subspaces. 3D cluster-guided tour is proposed where sequences of projections are determined by cluster **centroids**. Cluster-guided tour makes inter-cluster distance-preserving projections under which clusters are displayed as... ..points, interactive picking and drill down, and cluster similarity graphs, help further the understanding of **data**. A CAVE **virtual** reality environment is at our disposal for 3D immersive display. This approach of multidimensional visualization...

30/3,K/4 (Item 1 from file: 292) [Links](#)

GEOBASE(TM)

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00101912 **Supplier Number** 0408106

The federal electoral divisions information system: its spatial base and mapping system.

Parvey C.A.

CSIRO Australia, Division of Land Use Research, Technical Memorandum, , 82/6 (20p) , 1982

Document Type: Journal

Languages: English

Figures: 5 figs, 3 tables, 5 refs.

A **computerized** geographic **information** system using the Australian Federal Electoral Division as a unit of spatial reference has been... ..software. The maps produced by the system are in the form of shaded maps or **centroid** maps; both can clearly display inter-electoral differences. -Author.

Subject search: non patent literature, full text #2

09/439550

Set Items Description

S1 3702753 S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?)(2N)(CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)

S2 25463 S S1 (3N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANIZED()COLLECTION? ? OR RELATED OR INTERRELATED)(2N)(FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT)(2N)STORAGE OR KNOWLEDGE? ?)

S3 310205 S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?)()LOCAT??? OR GLONASS OR POSITION()DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN GEORGRAPHICAL()INFORMATION()SYSTEM

S4 7463966 S CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?

S5 8491499 S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERIZATION? ? OR DATA

S6 223818 S (VIRTUAL OR AUTOMAT?? OR COMPUTERIZED OR INTELLIGENT)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)

S7 50091 S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?)(2N)(RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)

S8 947420 S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?)(3N)(INPUT? OR (IN()PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)

S9 329965 S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOS? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?)(3N)(MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)

S10 2115741 S S4 AND S5

S11 2150 S S2(10N)S10

S12 350 S S11(S)S3

S13 10 S S12(S)S6

S14 10 S S13 NOT PY>1999

S15 9 RD (unique items)

S16 41910 S S1(S)S3

S17 3174 S S16(S)S4

S18 1405 S S17(S)S5

S19 59 S S18(S)S6

S20 0 S S19(S)S7

S21 25225 S S8 AND S9

S22 5 S S19(S)S21

S23 2 S S22 NOT PY>1999

S24 2 RD (unique items)

S25 0 S ((GEOCOD? OR GEO()CODE)(S)(CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER))(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))(S)((MAP OR MAPS OR MAPP? OR CARTOGRAPH? OR GEOGRAPH? OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)(5N)(CHART? ? OR GRID? ? OR MARKER? ? OR MARK? ? OR GUIDE? ?)(2N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ?))

S26 0 S (CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER)(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))

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[File 9] **Business & Industry(R)** Jul/1994-2007/Jun 11
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[File 15] **ABI/Inform(R)** 1971-2007/Jun 13
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**File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

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[File 635] **Business Dateline(R)** 1985-2007/Jun 13
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15/3,K/1 (Item 1 from file: 9) **Links**

Business & Industry(R)

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00571153 Supplier Number: 23072577 (USE FORMAT 7 OR 9 FOR FULLTEXT)

COGNITO RECKONS IT'S FIRST TO PROFIT IN BAND III RADIO WORLD; 1996 FLOAT SEEN

(Cognito says it is 1st UK mobile data communications provider to make operating profit in yr to 9/30/94)

Computergram International , n 2536 , p N/A

November 03, 1994

Document Type: Newsletter ISSN: 0268-716X (United Kingdom)

Language: English **Record Type:** Fulltext

Word Count: 584 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...or 3Kb, though there is no maximum length. Cognito now plans to add an integrated **automatic** vehicle **location** and messaging system to chart the movements of vehicles and send and receive data messages at the same time, AVLplus. It collects location data from the network of **Global Positioning** Satellites and sends it across the Cognito mobile data communications network to a central personal computer. On this **central** computer, **data** is overlaid on AutoRoute Plus - a Windows-based **mapping**, routing and **database** package from Microsoft Corp's NextBase Ltd acquisition. It will display exact vehicle location, speed...

15/3,K/2 (Item 1 from file: 15) [Links](#)

ABI/Inform(R)

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01042775 96-92168

Address matching - GIS technology for mapping human activity patterns

Drummond, William J

Journal of the American Planning Association v61n2 pp: 240-251

Spring 1995

ISSN: 0194-4363 **Journal Code:** AIP

Word Count: 6666

Text:

...form for more than thirty years, first as stand-alone software, and now embedded within **GIS** packages. It was initially developed by the U.S. Bureau of the Census for a...

...U.S. Bureau of the Census 1970; Marx 1990). In 1970 the Census Bureau used **computerized** files of **street** names and address ranges in order to assign geographic codes within 145 urban areas. For the 1980 census, the Bureau added spatial information (**longitude** and **latitude**) and a number of nonstreet features, to create the GBF/DIME files. For 1990 the...

...the entire country, greatly increased the number of address ranges, and developed a more sophisticated **data** structure, producing the TIGER system of databases.

Databases and software for **address** matching have been available from the Bureau of the Census for 25 years (U.S...

15/3,K/3 (Item 2 from file: 15) [Links](#)

ABI/Inform(R)

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00949208 95-98600

Avoiding liabilities downstream

Hamlin, Mark
Mortgage Banking v55n2 pp: 111-126
Nov 1994
ISSN: 0730-0212 Journal Code: MOB
Word Count: 6866
Text:

...the fit between the DFIRM and the street map is much better.

Tax map systems

Computerized tax map data bases, of the type needed to develop a computerized **GIS** tax map system, are not commercially available on a national scale. This stands in marked...

...by the government. Nevertheless, if the tax data was available or created for the purpose, **GIS** tools could be used to create automated tax systems.

To date, I suspect the bulk...

15/3,K/4 (Item 3 from file: 15) [Links](#)
ABI/Inform(R)
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00941567 95-90959
GIS & decision support systems

Wilson, Robert D
Journal of Systems Management v45n11 pp: 36-40
Nov 1994
ISSN: 0022-4839 Journal Code: JSM
Word Count: 2470
Text:

...data.

Newer PC programs include graphical display of geographic features which are tied to the **database** and **automated address** matching of **data files** to specific geographic locations (**geocoding**). The PC-based **GIS** has the ability to display spatial occurrences and the relationship between and

15/3,K/5 (Item 1 from file: 148) [Links](#)
Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rights reserved.
11033455 Supplier Number: 54623275 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Examples Database: Solutions for Cities.(public safety program description from Examples of Programs for Cities database)

Behroozi, Cy
Nation's Cities Weekly , 22 , 17 , 9(1)
April 26 , 1999
ISSN: 0164-5935
Language: English
Record Type: Fulltext
Word Count: 1315 **Line Count:** 00114

...fire incidents, are mapped using a computerized geographic information system (GIS). The GIS digests the **data sets** into one **map** which highlights potential target areas. Camden officers in or near target zones, thus expediting response...

15/3,K/6 (Item 2 from file: 148) [Links](#)
Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rights reserved.
09332263 **Supplier Number:** 19160596 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Spotlight shifts to risk management demo in 1997. (gas pipeline industry)(Outlook '97)

Willke, Ted
Pipe Line & Gas Industry , v80 , n1 , p36(3)
Jan , 1997
ISSN: 1079-8765
Language: English
Record Type: Fulltext
Word Count: 1858 **Line Count:** 00161

...display with computer mapping systems. This tool simplifies the use of geographic information systems, automated **mapping**/facility management and **data base** systems.

GRI has also taken the lead in developing software for a range of special...

15/3,K/7 (Item 3 from file: 148) [Links](#)
Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rights reserved.
07621974 **Supplier Number:** 16739591 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Avoiding liabilities downstream. (flood insurance determination)

Hamlin, Mark
Mortgage Banking , v55 , n2 , p111(10)
Nov , 1994
ISSN: 0730-0212
Language: ENGLISH
Record Type: FULLTEXT

Word Count: 7383 Line Count: 00577

...systems

Computerized tax map data bases, of the type needed to develop a computerized GIS **tax** map system, are not commercially available on a national scale. This stands in marked contrast...

...the government. Nevertheless, if the tax data was available or created for the purpose, GIS **tools** could be used to create automated tax systems.

To date, I suspect the bulk of...

15/3,K/8 (Item 4 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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07593411 **Supplier Number: 16454646 (USE FORMAT 7 OR 9 FOR FULL TEXT)**

GIS & decision support systems. (Geographic Information System)

Wilson, Robert D.

Journal of Systems Management , v45 , n11 , p36(5)

Nov , 1994

ISSN: 0022-4839

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 2688 Line Count: 00217

...and automated address matching of data files to specific geographic locations (geocoding). The PC-based **GIS** has the ability to display spatial occurrences and the relationship between

15/3,K/9 (Item 1 from file: 624) [Links](#)

McGraw-Hill Publications

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0003310

Geographic sophisticates cash in

Engineering News-Record, Vol. 214, No. 19, Pg 20

May 9, 1985

JOURNAL CODE: ENR

SECTION HEADING: Computers ISSN: 0013-807X

WORD COUNT: 1,143

TEXT:

...piece of the market.

According to William D. Goran, developer of the Corps of

Engineers' **GIS**, the difference is analytic capability. With **GIS**, he says, the primary focus is on generating new information by analyzing, modeling and combining...

... an automated mapping system, on the other hand, is to rationalize existing records into a **computerized data base** from which new **maps** can be generated.

Although the line is blurring, there are fundamental differences, maintains Jack P...

+++++

24/3,K/1 (Item 1 from file: 148) Links

Gale Group Trade & Industry DB

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0019684989 **Supplier Number: 50064598 (USE FORMAT 7 OR 9 FOR FULL TEXT)**

-RAM: RAM Mobile Data helps cut Ambulance arrival times

M2 Presswire , N/A

June 10, 1998

Language: English

Record Type: Fulltext

Word Count: 1889 **Line Count:** 00159

Text:

...real-time picture of emergency vehicle status. Ambulances and other emergency vehicles are fitted with **Global Positioning System (GPS)** receivers, which automatically transmit details of their location and status over the RAM Network to the control **centre**. As soon as **GPS**-calculated positions are transmitted from the vehicles via RAM radio modems over the network to...

...processed by the Terrafix AVL computer. Customised software automatically places colour-coded symbols on computerised **map displays**, to indicate the operational status of each vehicle, whether stationary, mobile or at scene. Comms **centre** operators have an 'at a glance' overview, allowing them to more quickly and efficiently deploy...

...rate to at least 75% before 2001. An initial three month evaluation of the mobile **data** solution showed the time between taking an incoming 999 call, to assigning an ambulance had...

...of all information had to be confirmed by voice," said Joe Garcia, Emergency Patients Communications **Centre** Manager at Sussex Ambulance Trust. "A simple message from the Control **Centre** took between sixty and ninety seconds. Using mobile **data** instead of voice radio, this was reduced to an average of twelve seconds over the...

...to the RAM Network via an X25 link." The system has been developed by Terrafix, **Automatic Vehicle Location** and mobile **data**

specialist and a business partner of RAM Mobile **Data**. The pilot project will be rolled out county-wide by September, and support one of...

...Emergency calls per year, over 1,500 square miles. Vehicles are fitted with Terrafix mobile **data** terminals, which include a display screen and keyboard. Drivers can press keys to select from...

...information. Clinical audit forms allow paramedics to send medical details directly back to the control **centre**, for them to collate patient treatments directly from the point of capture, as opposed to...

...are automatically acknowledged by receipt, including time and date, which is sent back to the **central** database and enables the **centre** to keep a comprehensive record of all patient details and vehicle locations, for future reference...

...in cases of emergency. This keeps communication costs to a minimum, with charges incurred for **data** sent, rather than time spent linked up to the control **centre**. "We considered upgrading our own PMR system, but this would have incurred the Trust huge...

...to withstand the amount of incoming and outgoing traffic."
"Increasingly, RAM is becoming the mobile **data** network service of choice by people working in mission-critical environments," said David Wellbelove, director...

...Sector Business Unit. "The Sussex Ambulance Trust has demonstrated the strong business case for mobile **data** communications as a means of improving key performance areas." Possible future developments to the Terrafix system include upgrading the in-vehicle terminals to PC systems, capable of displaying the control **centre mapping** information. Other vehicle information, including fuel level and door lock details, could also be relayed...

...board unit. About Terrafix Terrafix is a world leader in land navigation, vehicle tracking, positioning, **data** communications and **mapping** systems. The mobile communications equipment for the AVL system is a unique combination of navigational...

...co.uk Please note: the word RAM is always in upper case. About RAM Mobile **Data** Ltd. RAM Mobile **Data** offers the UK's widest choice of wireless **data** solutions and works closely with industry leading business partners providing hardware, software and integration services...

...Service, Transportation & Distribution, Local Government, the Emergency Services and the remote monitoring market. RAM Mobile **Data** Ltd. was originally formed in 1989 as a joint business venture between worldwide leaders in...

...BellSouth and RAM Broadcasting Corporation. In October 1997, BellSouth reaffirmed its commitment to RAM Mobile **Data** Ltd and to the Mobitex network technology, by increasing its stake in the company. Today, RAM

Mobile **Data** Ltd is a wholly owned subsidiary of BellSouth. With assets worth \$33 billion and \$19...

...RAM has more than 15,040 subscribers and regularly transmits over 1 million packets of **information** a day. Major **Customers** include UPS, Safeway, IBM, Digital, Coca-Cola, Kwik-Fit and ADT Fire and Security, as...

...numerous Local Authorities and the Emergency Services. Customers today are seeing the benefits of wireless **data** communications in fast return on investment, improved productivity, reduced costs and competitive edge. In 1996, the Home Office awarded RAM sole provider status for Mobile **Data** Bearer services to the Police and Fire Services, under a Home Office Framework arrangement. Today...

...third of the Police Forces in England and Wales use the RAM Network for mobile **data** applications. About the RAM Network The RAM Network is a UK-wide digital wireless **data** network which provides two-way, real-time **data** communication over dedicated radio frequencies. The Network offers continuous connection to IT systems for users in the field and for remote operations. Users pay only for **data** transmitted and not for the time or distance involved in connection to the Network. The RAM Network uses Mobitex, the international standard for wireless **data** communications, originally developed by Ericsson. Mobitex networks exist internationally with 14 public networks, 8 private...

...93% for fixed coverage. The RAM Network caters for portable, mobile and fixed solutions, enabling **data** communication between mobile workers and host systems, between host systems and mobile workers, or between...

...monitoring purposes. Packet-switched networks differ from circuit-switched networks such as GSM voice and **data** services. Circuit-switched networks require a dedicated channel for communication and while that channel is being used, no other user can access it. Packet-switched networks, however, break **data** into sections or packets which travel independently across the Network; this allows multiple users to...

...results in far greater capacity, no busy signals and the ability to charge only for **data** transmitted - not connection time. Most importantly, because no connection is required, users are effectively always...

...information as it becomes available. Because the RAM Network is dedicated to short and frequent **data** exchange, it can support many more **users** and **transmit data** faster and more reliably than GSM's SMS text messaging service. This is because GSM...

...share system resource with voice services. The RAM Network is optimised for and dedicated to **data** transmission; there is no trade-off between voice and **data** transmission. The RAM Network is inherently reliable; quarterly operational figures reflect an average Network availability...

...is not outsourced. Because customers want solutions, not just technology, RAM also delivers comprehensive mobile **data** solutions using complementary network technologies. There are sometimes instances where, in order to meet user needs, complementary network technologies can be used to extend the advantages of a packet **data** solution. The RAM Outernet is an extension of RAM's core packet-switched Mobitex network...

...allows organisations to spend more time focusing on what they need to gain from mobile **data**, and less time worrying about which technologies to use, or how to work with multiple...

...by Telia AB, Sweden. All other trademarks and copyrights acknowledged.
CONTACT: Frances Crossley RAM Mobile **Data** Ltd. Tel: +44 (0)181 990 9090 e-mail: crossley@ram.co.uk Ilona Hitel...

...lisaa/ilonah@lewispr.com *M2 COMMUNICATIONS DISCLAIMS ALL LIABILITY FOR INFORMATION PROVIDED WITHIN M2 PRESSWIRE. **DATA** SUPPLIED BY NAMED PARTY/PARTIES.*

24/3,K/2 (Item 1 from file: 624) Links
McGraw-Hill Publications

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00771863
GIS APPLICATIONS
Electrical World, Vol. 210, No. 6, Pg 68
June 1996
JOURNAL CODE: EW
SECTION HEADING: AM/FM INTERNATIONAL'S CONFERENCE XIX: EQUIPMENT/SERVICES
ROUNDUP ISSN: 0013-4457
WORD COUNT: 202

TEXT:

Provider of AM/FM/GIS applications offers assistance at various stages of implementation of enterprise-wide **GIS** applications. A broad range of services are offered, including requirements analysis, systems design, systems development and programming, **automated data** translation services, and systems integration. Company has developed applications to support work-management and bill-of-materials systems, trouble-call analysis, advanced engineering design tools, and **production mapping**. Company is able to provide expertise in all of the major software platforms, but particularly...

... which is designed for around-the-clock reliability to meet service requirements of the dispatch **center**. Specifically, firm designed and developed: (1) a custom link from Smallworld to the utility's **customer information** system, (2) Smallworld application customization, (3) **data** translator customization, and (4) off-site conversion of over 2-million IFF records from PSCo's existing GFIS

data base. The last task took less than six weeks.--GeoData
Solutions Inc.

Subject Search; Non patent literature #3
09/439550

Set Items Description

S1 2923804 S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?)(2N)(CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)
S2 5848 S S1 (3N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANIZED()COLLECTION? ? OR RELATED OR INTERRELATED)(2N)(FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT)(2N)STORAGE OR KNOWLEDGEbase? ?)
S3 191955 S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?)()LOCAT??? OR GLONASS OR POSITION()DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN OR GEORGRAPHICAL()INFORMATION()SYSTEM
S4 9343980 S CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?
S5 3251197 S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERIZATION? ? OR DATA
S6 74659 S (VIRTUAL OR AUTOMAT?? OR COMPUTERIZED OR INTELLIGENT)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)
S7 61011 S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?)(2N)(RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)
S8 313912 S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?)(3N)(INPUT? OR (IN())PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)
S9 149357 S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOS? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?)(3N)(MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)
S10 985605 S S4 AND S5
S11 442 S S2(10N)S10
S12 71 S S11(S)S3
S13 1 S S12(S)S6
S14 17442 S S1(S)S3
S15 1927 S S14(S)S4
S16 806 S S15(S)S5
S17 30 S S16(S)S6
S18 0 S S17(S)S7
S19 5887 S S8 AND S9
S20 2 S S17(S)S19
S21 0 S S20 NOT PY>1999
S22 0 S ((GEOCOD? OR GEO()CODE)(S)(CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER))(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))(S)((MAP OR MAPS OR MAPP? OR CARTOGRAPH? OR GEOGRAPH? OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)(5N)(CHART? ? OR GRID? ? OR MARKER? ? OR MARK? ? OR GUIDE? ?)(2N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ?))
S23 0 S (CENTROID? OR METACENTER? ? OR METACENTRE? OR META()CENTER? OR CENTRE?) OR BARYCENTER)(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))

; show files

[File 20] Dialog Global Reporter 1997-2007/Jun 13

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13/3,K/1 Links

Dialog Global Reporter

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01287654 (USE FORMAT 7 OR 9 FOR FULLTEXT)

NATIONAL AGRICULTURAL STATISTICS SERVICE: Agricultural outlook -- April 1998 -- Part II of III

M2 PRESSWIRE

March 26, 1998

Journal Code: WMPR Language: English Record Type: FULLTEXT

Word Count: 7896

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...by the past, current, and expected conditions represented by soil, weather, pest level, and other **data** input from the **GIS**.

Geographic **information** systems (**GIS**).

Computerized map and **database** program that contains spatial (map) and attribute (characteristic) **data** linked by a common geographic identifier. **GIS** software provides for overlays and geographic analyses of multiple mapped layers, representing the spatial patterns...

Subject search: non patent literature, full text #4, business news resources
09/439550

Set Items Description

S1 1062728 S (MAP OR MAPS OR MAPP? OR (CARTOGRAPH? OR GEOGRAPH?)(2N)(CHART? OR LOCATOR? ? OR NAVIGATOR? ? OR DIAGRAM? ?) OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)

S2 9785 S S1 (3N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)() (BASE? ? OR BANK? ? OR SET? ? OR FILE? ? OR TABLE? ?) OR DB OR (ORGANIZED()COLLECTION? ? OR RELATED OR INTERRELATED)(2N)(FILES OR INFORMATION OR DATA) OR INFORMATION(N)MANAGEMENT OR SIMS OR (CENTRAL? OR PERSISTENT)(2N)STORAGE OR KNOWLEDGEBASE? ?)

S3 74063 S GIS OR GPS OR GLOBAL()POSITION? OR (GLOBAL OR SATELLITE? ?)()LOCAT??? OR GLONASS OR POSITION() (DATA OR INFORMATION) OR LONGITUDE OR LATITUDE OR ALTITUDE OR LORAN OR GEORGRAPHICAL()INFORMATION()SYSTEM

S4 1967890 S CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER OR CENTER? ? OR CENTRE? OR CENTRAL? ?

S5 2664190 S GEOCOD? OR GEO()COD? OR DEMOGRAPH? OR CHARACTERIZATION? ? OR DATA

S6 71307 S (VIRTUAL OR AUTOMAT?? OR COMPUTERIZED OR INTELLIGENT)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR COMPONENT? ? OR POSITION? ? OR LOCATION? ? OR NUMBER? ? OR ZIP()CODE OR HOUS? OR HOME? OR STREET? ?)

S7 13420 S (PLURALITY OR GROUP??? OR MULTIPLE? OR SEVERAL OR TWO OR 2 OR PLURAL OR ANOTHER OR OTHER? ?)(2N)(RADIAL? ? OR RADII OR SPOKE? ? OR RAYS OR RAY OR GRID? ?)

S8 308731 S (USER? ? OR CLIENT? ? OR PATRON? ? OR CONSUMER? ? OR CUSTOMER? ?)(3N)(INPUT? OR (IN()PUT OR PUTS OR PUTTING) OR INFORMATION OR PROMPT? OR PROVOKE? OR EVOKE? OR CUE OR TRANSMI?)

S9 84061 S (OUTPUT? ? OR OUT()PUT? ? OR TRANSFER? ? OR TRANSMISSION? ? OR TRANSFER? OR CONVEY OR SHIFT? OR TRANSMIT? OR TRANSPORT? OR TRANSPOS? OR GENERAT? OR PRODUC? OR DEFIN? OR DEVELOP? OR DISPLAY? ?)(3N)(MARKER? ? OR GRID? ? OR MARK? ? OR TAG OR TAGGING OR RADIAL? ? OR GUIDE? ? OR MAP OR MAPS OR MAPPING OR MAPPINGS)

S10 699933 S S4 AND S5

S11 628 S S2(10N)S10

S12 90 S S11(S)S3

S13 1 S S12(S)S6

S14 0 S S13 NOT PY>1999

S15 12019 S S1(S)S3

S16 957 S S15(S)S4

S17 459 S S16(S)S5

S18 20 S S17(S)S6

S19 0 S S18(S)S7

S20 7657 S S8 AND S9

S21 1 S S20(S)S18

S22 0 S S21 NOT PY>1999

S23 0 S ((GEOCOD? OR GEO()CODE)(S)(CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER))(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))(S)((MAP OR MAPS OR MAPP? OR CARTOGRAPH? OR GEOGRAPH? OR STREET()LEVEL()DATA OR MAPQUEST OR MAP()QUEST OR STREETMAP? OR GUIDE OR ADDRESS? ? OR PLOT? ? OR PLAT? ?)(5N)(CHART? ? OR GRID? ? OR MARKER? ? OR MARK? ? OR GUIDE? ?)(2N)(DATABASE? ? OR (DATA OR INFORMATION OR KNOWLEDGE)()BASE? ?))

S24 1 S (CENTROID? OR METACENTER? ? OR METACENTRE? OR META() (CENTER? OR CENTRE?) OR BARYCENTER)(S)((VIRTUAL OR COMPUTERIZED)(2N)(ADDRESS? OR PLACE? ? OR OBJECT? ? OR DATA OR INFORMATION OR LOCATION? ? OR ZIP()CODE OR HOUS?))

S25 1 S S24 NOT PY>1999

; show files

[File 610] **Business Wire** 1999-2007/Jun 14

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**File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 810] **Business Wire** 1986-1999/Feb 28
(c) 1999 Business Wire . All rights reserved.

[File 613] **PR Newswire** 1999-2007/Jun 14
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**File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 813] **PR Newswire** 1987-1999/Apr 30
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[File 634] **San Jose Mercury** Jun 1985-2007/Jun 13
(c) 2007 San Jose Mercury News. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Jun 12
(c) 2007 The Gale Group. All rights reserved.

[File 256] **TecInfoSource** 82-2007/Oct
(c) 2007 Info.Sources Inc. All rights reserved.

25/3,K/1 (Item 1 from file: 275) **Links**
Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rights reserved.
01619788 **Supplier Number: 14359850 (Use Format 7 Or 9 For FULL TEXT)**
Fuzzy logic engine for Turbo Pascal. (includes related article on syntax) (Technical)

Lindh, Lars
AI Expert , v8 , n10 , p36(6)
Oct , 1993
Document Type: Technical
ISSN: 0888-3785
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 2492 **Line Count:** 00216

...should be used only when they can't be determined by symmetry.

function eval: real; **virtual**;

defuzzificates the **object** by returning the **centroid**.

From the basic TFuzzy is TTrapezoid derived. By adjusting the
parameter's trapezoid, triangular or...